BRUHAT BANGALORE MAHANAGARA PALIKE
BYTARAYANPURA DIVISION

Name of Work:

Improvements to Road and Drains at Thanisandra Munisonnegowda Layout in Ward No.06 (Thanisandra), Byatarayanapura Sub Division

3rd & PART BILL

DETAILED MEASUREMENTS

TEJUS CONSULTANTS
CONSULTING ENGINEERS AND DESIGNERS
No.58 MIG, 6th Cross, 3rd Main
1st Stage, Basaveshwaranagar
Bangalore-560079
☎ 080 - 23287532
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Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Sub Division

Bill No :3rd & Part Bill

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Name of Work :- Improvements to Road and Drains at Thanisandra Munisonnegowda Layout in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
3	KSRRB M300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH / Chapter 3 (P.No.142, I.No.19.1 of PW, P&IWTD SR 2016-17)										
	Desilt										
	Muni sonne Gowda Lyout										
	1st cross										
	LHS										
	0.00	15.00	L/S	1	15.00			0.60	0.60	5.40	
	15.00	30.00	L/S	1	15.00			0.60	0.60	5.40	
	30.00	45.00	L/S	1	15.00			0.60	0.60	5.40	
	45.00	60.00	L/S	1	15.00			0.60	0.60	5.40	
	60.00	73.50	L/S	1	13.50			0.60	0.60	4.86	
	2nd cross										
	RHS										
	0.00	9.50	R/S	1	9.50	-	-	0.60	0.60	3.42	
	9.50	13.10	R/S	1	3.60	-	-	0.60	0.60	1.30	
	13.10	18.10	R/S	1	5.00	-	-	0.60	0.60	1.80	
	18.10	24.00	R/S	1	5.90	-	-	0.60	0.60	2.12	
	24.00	37.00	R/S	1	13.00	-	-	0.60	0.60	4.68	
	37.00	50.00	R/S	1	13.00	-	-	0.60	0.60	4.68	
	50.00	65.00	R/S	1	15.00	-	-	0.60	0.60	5.40	
	65.00	73.60	R/S	1	8.60	-	-	0.60	0.60	3.10	
	73.60	77.50	R/S	1	3.90	-	-	0.60	0.60	1.40	
	77.50	82.30	R/S	1	4.80	-	-	0.60	0.60	1.73	
	82.30	91.80	R/S	1	9.50	-	-	0.60	0.60	3.42	
	3rd Cross										
	LHS										
	0.00	15.00	L/S	1	15.00			0.60	0.60	5.40	
	15.00	30.00	L/S	1	15.00			0.60	0.60	5.40	
	30.00	45.00	L/S	1	15.00			0.60	0.60	5.40	
	45.00	60.00	L/S	1	15.00			0.60	0.60	5.40	
	60.00	75.00	L/S	1	15.00			0.60	0.60	5.40	
	75.00	92.00	L/S	1	17.00			0.60	0.60	6.12	

Tejus Consultants Contractor Assistant Engineer 26.12.19 Assistant Executive Engineer

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Name of Work :- Improvements to Road and Drains at Thanisandra Munisonnegowda Layout in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	RHS										
	0.00	15.00	R/S	1	15.00			0.60	0.60	5.40	
	15.00	30.00	R/S	1	15.00			0.60	0.60	5.40	
	30.00	45.00	R/S	1	15.00			0.60	0.60	5.40	
	45.00	60.00	R/S	1	15.00			0.60	0.60	5.40	
	60.00	75.00	R/S	1	15.00			0.60	0.60	5.40	
	75.00	92.00	R/S	1	17.00			0.60	0.60	6.12	
								TOTAL		125.75	cum

Tejus Consultants

Contractor

26.12.2019
Assistant Engineer

Assistant Executive Engineer

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Name of Work :- Improvements to Road and Drains at Thanisandra Munisonnegowda Layout in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
10	Removing and refixing stone slabs of drains and pointing in CM (1:3) (P.No.25, I.No.5.33 of PW, P&IWTD SR 2016-17)										
	Muni sonne Gowda Lyout										
	1st cross										
	LHS										
	0.00	15.00	L/S	1	15.00			1.80		27.00	
	15.00	30.00	L/S	1	15.00			1.80		27.00	
	30.00	45.00	L/S	1	15.00			1.80		27.00	
	45.00	60.00	L/S	1	15.00			1.80		27.00	
	60.00	73.50	L/S	1	13.50			1.80		24.30	
	2nd cross										
	RHS										
	0.00	9.50	R/S	1	9.50	-	-	1.80		17.10	
	13.10	18.10	R/S	1	5.00	-	-	1.80		9.00	
	24.00	37.00	R/S	1	13.00	-	-	1.80		23.40	
	50.00	65.00	R/S	1	11.00	-	-	1.80		19.80	
	65.00	73.60	R/S	1	8.60	-	-	1.80		15.48	
	73.60	77.50	R/S	1	3.90	-	-	1.80		7.02	
	77.50	82.30	R/S	1	4.80	-	-	1.80		8.64	
	82.30	91.80	R/S	1	9.50	-	-	1.80		17.10	
	3rd Cross										
	LHS										
	0.00	15.00	L/S	1	15.00			1.80		27.00	
	15.00	30.00	L/S	1	15.00			1.80		27.00	
	30.00	45.00	L/S	1	15.00			1.80		27.00	
	45.00	60.00	L/S	1	15.00			1.80		27.00	
	60.00	75.00	L/S	1	15.00			1.80		27.00	
	75.00	92.00	L/S	1	17.00			1.80		30.60	
	RHS										
	0.00	15.00	R/S	1	15.00			1.80		27.00	
	15.00	30.00	R/S	1	15.00			1.80		27.00	
	30.00	45.00	R/S	1	15.00			1.80		27.00	
	45.00	60.00	R/S	1	15.00			1.80		27.00	
	60.00	75.00	R/S	1	15.00			1.80		27.00	
	75.00	92.00	R/S	1	17.00			1.80		30.60	
								Total Quantity		**581.04**	**Sqm**

Tejus Consultants

Contractor

Assistant Engineer 28.12.2019

Assistant

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Name of Work :- Improvements to Road and Drains at Thanisandra Munisonnegowda Layout in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
11	Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortor (1:6) including fixing curing etc,. Complete. 7.5cms thick (P.No.25, I.No.5.31.1 of PW, P&IWTD SR 2016-17)										
	For B.S Drain										
	Muni sonne Gowda Lyout										
	1st cross										
	RHS										
	0.00	15.00	L/S	1	5.00			1.80		9.00	
	30.00	45.00	L/S	1	6.00			1.80		10.80	
	60.00	73.50	L/S	1	5.00			1.80		9.00	
	2nd cross										
	RHS										
	0.00	9.50	R/S	1	9.50	-	-	1.80		17.10	
	13.10	18.10	R/S	1	5.00	-	-	1.80		9.00	
	73.60	77.50	R/S	1	3.90	-	-	1.80		7.02	
	3rd Cross										
	LHS										
	15.00	30.00	L/S	1	5.00			1.80		9.00	
	30.00	45.00	L/S	1	6.00			1.80		10.80	
	60.00	75.00	L/S	1	5.00			1.80		9.00	
	75.00	92.00	L/S	1	6.00			1.80		10.80	
	RHS										
	0.00	15.00	R/S	1	6.00			1.80		10.80	
	30.00	45.00	R/S	1	15.00			1.80		27.00	
	60.00	75.00	R/S	1	7.00			1.80		12.60	
								Total Quantity		**151.92**	**Sqm**

Tejus Consultants

Contractor

28.12.19

Assistant Engineer

Assistant Executive Engineer

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Name of Work :- Improvements to Road and Drains at Thanisandra Munisonnegowda Layout in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
12	Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortor (1:6) including fixing curing etc,. Complete. 10cms thick (P.No.25, I.No.5.31.2 of PW, P&IWTD SR 2016-17)										
	For BS Cover Slab										
	2nd cross										
	RHS										
	9.50	13.10	R/S	1	3.60	-	-	1.20		4.32	
	18.10	24.00	R/S	1	5.90	-	-	1.20		7.08	
	37.00	50.00	R/S	1	13.00	-	-	1.20		15.60	
	50.00	65.00	R/S	1	15.00	-	-	1.20		18.00	
	65.00	73.60	R/S	1	8.60	-	-	1.20		10.32	
	77.50	82.30	R/S	1	4.80	-	-	1.20		5.76	
								Total Quantity		**61.08**	**Sqm**

Tejus Consultants — Contractor — Assistant Engineer — Assistant Executive Engineer

Scanned with CamScanner

Name of Work :- Improvements to Road and Drains at Thanisandra Munisonnegowda Layout in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
26	KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to embankment location and complete as per specifications. MORTH Specification No.301 (P.No.143, I.No.19.14 of PW,P&IWTD S.R 2016-17)										
	Muni sonne Gowda Lyout										
	1st cross										
	2.60	10.30		1	7.70	2.50	3.80	3.15	0.23	5.58	
	10.30	25.30		1	15.00	3.80	2.60	3.20	0.23	11.04	
	25.30	40.00		1	14.70	2.60	3.80	3.20	0.23	10.82	
	40.00	48.80		1	8.80	3.80	3.50	3.65	0.23	7.39	
	48.80	53.00		1	4.20	3.50	1.00	2.25	0.23	2.17	
	58.90	73.50		1	14.60	2.00	4.20	3.10	0.23	10.41	
	Bad reaches										
	2nd cross										
				1	12.00	1.20	1.30	1.25	0.23	3.45	
				1	9.00			2.05	0.23	4.24	
				1	2.30	1.00	0.60	0.80	0.23	0.42	
				1	4.60			1.91	0.23	2.02	
	Bad Reaches										
	3rdd cross										
	0.00	6.00		1	6.00	1.40	2.80	2.10	0.23	2.90	
	6.00	9.50		1	3.50	2.80	4.30	3.55	0.23	2.86	
	24.50	39.50		1	15.00	3.10	3.80	3.45	0.23	11.90	
	54.50	58.50		1	4.00	3.50	1.90	2.70	0.23	2.48	
								TOTAL		**77.69**	**Cum**

Tejus Consultants

Contractor

Assistant Engineer 13.01.2020

Assistant Engineer

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Name of Work :- Improvements to Road and Drains at Thanisandra Munisonnegowda Layout in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
28	KSRRB M 400-17, Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechaniqal mix plant carriage ' of mixed Material by tipper to site, laying in uniform layers with paver in sub- base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density.complete as per specifications. MORTH Specification No. 406 (P.No.158, I.No.20.18 of PW,P&IWTD SR 2016-17)										
	Muni sonne Gowda										
	1st cross										
	2.60	10.30		1	7.70	2.50	3.80	3.15	0.23	5.58	
	10.30	25.30		1	15.00	3.80	2.60	3.20	0.23	11.04	
	25.30	40.00		1	14.70	2.60	3.80	3.20	0.23	10.82	
	40.00	48.80		1	8.80	3.80	3.50	3.65	0.23	7.39	
	48.80	53.00		1	4.20	3.50	1.00	2.25	0.23	2.17	
	58.90	73.50		1	14.60	2.00	4.20	3.10	0.23	10.41	
	Bad reaches										
	2nd cross										
				1	12.00	1.20	1.30	1.25	0.23	3.45	
				1	9.00			2.05	0.23	4.24	
				1	2.30	1.00	0.60	0.80	0.23	0.42	
				1	4.60			1.91	0.23	2.02	
	3rdd cross										
	0.00	6.00		1	6.00	1.40	2.80	2.10	0.23	2.90	
	6.00	9.50		1	3.50	2.80	4.30	3.55	0.23	2.86	
	24.50	39.50		1	15.00	3.10	3.80	3.45	0.23	11.90	
	54.50	58.50		1	4.00	3.50	1.90	2.70	0.23	2.48	
								TOTAL		**77.69**	**Cum**

Tejus Consultants

Contractor

Assistant Engineer 18.01.2020

Assistant Executive Engineer

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BRUHAT BANGALORE MAHANAGARA PALIKE
BYTARAYANPURA DIVISION

Name of Work:

Improvement of Drains and Asphalting to Road at Dasarahalli Surrounding area in Ward No.06(Thanisandra), Byatarayanapura Sub Division

3rd & PART BILL

DETAILED MEASUREMENTS

TEJUS CONSULTANTS
CONSULTING ENGINEERS AND DESIGNERS
No.58 MIG, 6th Cross, 3rd Main
1st Stage, Basaveshwaranagar
Bangalore-560079
☎ 080 - 23287532
email: tejusconsultants@gmail.com

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Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Sub Division

Bill No :3rd & Part Bill

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Name of Work : - Improvement of Drains and Asphalting to Road at Dasarahalli Surrounding area in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
3	KSRRB M300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neately dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH / Chapter 3 (P.No.142, I.No.19.1 of PW, P&IWTD SR 2016-17)										
	Desilt Only										
	High extension wire Road										
	LHS										
	0.00	5.00	L/S	1	5.00			0.60	0.50	1.50	
	5.00	15.00	L/S	1	10.00			0.60	0.50	3.00	
	15.00	30.00	L/S	1	15.00			0.60	0.50	4.50	
	30.00	40.40	L/S	1	10.40			0.60	0.50	3.12	
	40.40	44.50	L/S	1	4.10			0.60	0.50	1.23	
	44.50	50.80	L/S	1	6.30			0.60	0.50	1.89	
	50.80	53.00	L/S	1	2.20			0.60	0.50	0.66	
	53.00	60.00	L/S	1	7.00			0.60	0.50	2.10	
	60.00	75.00	L/S	1	15.00			0.60	0.50	4.50	
	75.00	90.00	L/S	1	15.00			0.60	0.50	4.50	
	90.00	105.00	L/S	1	15.00			0.60	0.50	4.50	
	105.00	120.00	L/S	1	15.00			0.60	0.50	4.50	
	120.00	135.00	L/S	1	15.00			0.60	0.50	4.50	
								Total Quantity		**40.50**	**Cum**

Consultant

Contractor

23.12.2019

Assistant Engineer

Assistant Executive Engineer

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Name of Work : - Improvement of Drains and Asphalting to Road at Dasarahalli Surrounding area in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
11	Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortor (1:6) including fixing curing etc,. Complete. 7.5cms thick (P.No.25, I.No.5.31.1 of PW, P&IWTD SR 2016-17)										
	Cover Slab										
	High extension wire Road										
	LHS										
	0.00	5.00	L/S	1	5.00			1.80		9.00	
	15.00	30.00	L/S	1	10.00			1.80		18.00	
	40.40	44.50	L/S	1	4.10			1.80		7.38	
	44.50	50.80	L/S	1	6.30			1.80		11.34	
	53.00	60.00	L/S	1	7.00			1.80		12.60	
	60.00	75.00	L/S	1	8.00			1.80		14.40	
	90.00	105.00	L/S	1	6.00			1.80		10.80	
	120.00	135.00	L/S	1	9.00			1.80		16.20	
								Total Quantity		**99.72**	**Sqm**

Consultant

Contractor

Assistant Engineer 28.12.2019

Assistant Engineer

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Name of Work : - Improvement of Drains and Asphalting to Road at Dasarahalli Surrounding area in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
26	KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to embankment location and complete as per specifications. MORTH Specification No.301 (P.No.143, I.No.19.14 of PW,P&IWTD S.R 2016-17)										
	Dasarahalli										
	Goolappa layout										
	1st Cross Road										
	0.00	5.00		1	5.00	5.70	5.50	5.60	0.23	6.44	
	5.00	15.00		1	10.00	5.50	5.50	5.50	0.23	12.65	
	15.00	30.00		1	15.00	5.50	4.10	4.80	0.23	16.56	
	30.00	45.00		1	15.00	4.10	5.10	4.60	0.23	15.87	
	45.00	60.00		1	15.00	5.10	4.40	4.75	0.23	16.39	
	60.00	75.00		1	15.00	4.40	4.90	4.65	0.23	16.04	
	75.00	90.00		1	15.00	4.90	5.00	4.95	0.23	17.08	
	90.00	105.70		1	15.70	5.00	4.70	4.85	0.23	17.51	
	2nd Cross Road										
	0.00	5.00		1	5.00	5.60	6.00	5.80	0.23	6.67	
	5.00	15.00		1	10.00	6.00	6.05	6.03	0.23	13.86	
	15.00	30.00		1	15.00	6.05	6.60	6.33	0.23	21.82	
	30.00	36.80		1	6.80	6.60	6.50	6.55	0.23	10.24	
	36.80	52.00		1	15.20	6.50	5.35	5.93	0.23	20.71	
	52.00	64.00		1	12.00	5.35	5.50	5.43	0.23	14.97	
	3rd Cross Road										
	0.00	5.00		1	5.00	4.00	4.50	4.25	0.23	4.89	
	5.00	15.00		1	10.00	4.50	4.50	4.50	0.23	10.35	
	15.00	30.00		1	15.00	4.50	5.20	4.85	0.23	16.73	
	30.00	41.80		1	11.80	5.20	6.50	5.85	0.23	15.88	
	High extension wire Road										
	0.00	5.00		1	5.00	8.40	7.20	7.80	0.23	8.97	
	5.00	15.00		1	10.00	7.20	7.20	7.20	0.23	16.56	
	15.00	30.00		1	15.00	7.20	8.30	7.75	0.23	26.74	
	30.00	45.00		1	15.00	8.30	8.00	8.15	0.23	28.12	
	45.00	50.00		1	5.00	8.00	14.20	11.10	0.23	12.77	

Consultant

Contractor

Assistant Engineer 8.01.2020

Assistant Executive Engineer

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Name of Work : - Improvement of Drains and Asphalting to Road at Dasarahalli Surrounding area in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
	Chainage										
	50.00	60.00		1	10.00	14.20	14.40	14.30	0.23	32.89	
	60.00	67.00		1	7.00	14.40	10.20	12.30	0.23	19.80	
	67.00	75.00		1	8.00	10.20	5.90	8.05	0.23	14.81	
	75.00	90.00		1	15.00	5.90	5.70	5.80	0.23	20.01	
	90.00	105.00		1	15.00	5.70	5.80	5.75	0.23	19.84	
	105.00	120.00		1	15.00	5.80	5.90	5.85	0.23	20.18	
	120.00	135.00		1	15.00	5.90	7.20	6.55	0.23	22.60	
	135.00	150.00		1	15.00	7.20	7.90	7.55	0.23	26.05	
	150.00	165.00		1	15.00	7.90	10.20	9.05	0.23	31.22	
	165.00	180.00		1	15.00	10.20	6.30	8.25	0.23	28.46	
	180.00	195.00		1	15.00	6.30	5.50	5.90	0.23	20.36	
	195.00	210.00		1	15.00	5.50	6.10	5.80	0.23	20.01	
	210.00	225.00		1	15.00	6.10	5.20	5.65	0.23	19.49	
	225.00	240.00		1	15.00	5.20	4.88	5.04	0.23	17.39	
	240.00	255.00		1	15.00	4.88	4.20	4.54	0.23	15.66	
	255.00	269.40		1	14.40	4.20	4.00	4.10	0.23	13.58	
								Total Quantity		690.17	Cum

Consultant

Contractor

Assistant Executive Engineer

Scanned with CamScanner

Name of Work : - Improvement of Drains and Asphalting to Road at Dasarahalli Surrounding area in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
28	KSRRB M 400-17, Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechaniqal mix plant carriage ' of mixed Material by tipper to site, laying in uniform layers with paver in sub- base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density.complete as per specifications. MORTH Specification No. 406 (P.No.158, I.No.20.18 of PW,P&IWTD SR 2016-17)										
	Dasarahalli										
	Goolappa layout										
	1st Cross Road										
	0.00	5.00		1	5.00	5.70	5.50	5.60	0.23	6.44	
	5.00	15.00		1	10.00	5.50	5.50	5.50	0.23	12.65	
	15.00	30.00		1	15.00	5.50	4.10	4.80	0.23	16.56	
	30.00	45.00		1	15.00	4.10	5.10	4.60	0.23	15.87	
	45.00	60.00		1	15.00	5.10	4.40	4.75	0.23	16.39	
	60.00	75.00		1	15.00	4.40	4.90	4.65	0.23	16.04	
	75.00	90.00		1	15.00	4.90	5.00	4.95	0.23	17.08	
	90.00	105.70		1	15.70	5.00	4.70	4.85	0.23	17.51	
	2nd Cross Road										
	0.00	5.00		1	5.00	5.60	6.00	5.80	0.23	6.67	
	5.00	15.00		1	10.00	6.00	6.05	6.03	0.23	13.86	
	15.00	30.00		1	15.00	6.05	6.60	6.33	0.23	21.82	
	30.00	36.80		1	6.80	6.60	6.50	6.55	0.23	10.24	
	36.80	52.00		1	15.20	6.50	5.35	5.93	0.23	20.71	
	52.00	64.00		1	12.00	5.35	5.50	5.43	0.23	14.97	
	3rd Cross Road										
	0.00	5.00		1	5.00	4.00	4.50	4.25	0.23	4.89	
	5.00	15.00		1	10.00	4.50	4.50	4.50	0.23	10.35	
	15.00	30.00		1	15.00	4.50	5.20	4.85	0.23	16.73	
	30.00	41.80		1	11.80	5.20	6.50	5.85	0.23	15.88	
	High extension wire Road										
	0.00	5.00		1	5.00	8.40	7.20	7.80	0.23	8.97	
	5.00	15.00		1	10.00	7.20	7.20	7.20	0.23	16.56	
	15.00	30.00		1	15.00	7.20	8.30	7.75	0.23	26.74	

Consultant Contractor Assistant Engineer Assistant Executive Engineer

Scanned with CamScanner

Name of Work : - Improvement of Drains and Asphalting to Road at Dasarahalli Surrounding area in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
	Chainage										
	30.00	45.00		1	15.00	8.30	8.00	8.15	0.23	28.12	
	45.00	50.00		1	5.00	8.00	14.20	11.10	0.23	12.77	
	50.00	60.00		1	10.00	14.20	14.40	14.30	0.23	32.89	
	60.00	67.00		1	7.00	14.40	10.20	12.30	0.23	19.80	
	67.00	75.00		1	8.00	10.20	5.90	8.05	0.23	14.81	
	75.00	90.00		1	15.00	5.90	5.70	5.80	0.23	20.01	
	90.00	105.00		1	15.00	5.70	5.80	5.75	0.23	19.84	
	105.00	120.00		1	15.00	5.80	5.90	5.85	0.23	20.18	
	120.00	135.00		1	15.00	5.90	7.20	6.55	0.23	22.60	
	135.00	150.00		1	15.00	7.20	7.90	7.55	0.23	26.05	
	150.00	165.00		1	15.00	7.90	10.20	9.05	0.23	31.22	
	165.00	180.00		1	15.00	10.20	6.30	8.25	0.23	28.46	
	180.00	195.00		1	15.00	6.30	5.50	5.90	0.23	20.36	
	195.00	210.00		1	15.00	5.50	6.10	5.80	0.23	20.01	
	210.00	225.00		1	15.00	6.10	5.20	5.65	0.23	19.49	
	225.00	240.00		1	15.00	5.20	4.88	5.04	0.23	17.39	
	240.00	255.00		1	15.00	4.88	4.20	4.54	0.23	15.66	
	255.00	269.40		1	14.40	4.20	4.00	4.10	0.23	13.58	
								Total Quantity		690.17	Cum

Consultant

Contractor

14.01.2020

Assistant Engineer

Assistant E[illegible]ngineer

Scanned with CamScanner

Name of Work : - Improvement of Drains and Asphalting to Road at Dasarahalli Surrounding area in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
29	KSRRB M 500-6, Providing and applying primer coat with SS bitumen emulsion on prepared surface of granular Base such as WBM WMM including clearing of road surface and spraying primer at the rate of 0.60 kg/sqm using mechanical means complete as per specifications. As per MORTH specification clause No. 502 (P.No.161, I.No.21.6 of PW,P&IWTD SR 2016-17)										
	Dasarahalli										
	Goolappa layout										
	1st Cross Road										
	0.00	5.00		1	5.00	5.70	5.50	5.60		28.00	
	5.00	15.00		1	10.00	5.50	5.50	5.50		55.00	
	15.00	30.00		1	15.00	5.50	4.10	4.80		72.00	
	30.00	45.00		1	15.00	4.10	5.10	4.60		69.00	
	45.00	60.00		1	15.00	5.10	4.40	4.75		71.25	
	60.00	75.00		1	15.00	4.40	4.90	4.65		69.75	
	75.00	90.00		1	15.00	4.90	5.00	4.95		74.25	
	90.00	105.70		1	15.70	5.00	4.70	4.85		76.15	
	2nd Cross Road										
	0.00	5.00		1	5.00	5.60	6.00	5.80		29.00	
	5.00	15.00		1	10.00	6.00	6.05	6.03		60.25	
	15.00	30.00		1	15.00	6.05	6.60	6.33		94.88	
	30.00	36.80		1	6.80	6.60	6.50	6.55		44.54	
	36.80	52.00		1	15.20	6.50	5.35	5.93		90.06	
	52.00	64.00		1	12.00	5.35	5.50	5.43		65.10	
	3rd Cross Road										
	0.00	5.00		1	5.00	4.00	4.50	4.25		21.25	
	5.00	15.00		1	10.00	4.50	4.50	4.50		45.00	
	15.00	30.00		1	15.00	4.50	5.20	4.85		72.75	
	30.00	41.80		1	11.80	5.20	6.50	5.85		69.03	
	High extension wire Road										
	0.00	5.00		1	5.00	8.40	7.20	7.80		39.00	
	5.00	15.00		1	10.00	7.20	7.20	7.20		72.00	
	15.00	30.00		1	15.00	7.20	8.30	7.75		116.25	
	30.00	45.00		1	15.00	8.30	8.00	8.15		122.25	
	45.00	50.00		1	5.00	8.00	14.20	11.10		55.50	

Consultant

Contractor

Assistant Engineer

Assistant Executive Engineer

Scanned with CamScanner

Name of Work : - Improvement of Drains and Asphalting to Road at Dasarahalli Surrounding area in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
	Chainage										
	50.00	60.00		1	10.00	14.20	14.40	14.30		143.00	
	60.00	67.00		1	7.00	14.40	10.20	12.30		86.10	
	67.00	75.00		1	8.00	10.20	5.90	8.05		64.40	
	75.00	90.00		1	15.00	5.90	5.70	5.80		87.00	
	90.00	105.00		1	15.00	5.70	5.80	5.75		86.25	
	105.00	120.00		1	15.00	5.80	5.90	5.85		87.75	
	120.00	135.00		1	15.00	5.90	7.20	6.55		98.25	
	135.00	150.00		1	15.00	7.20	7.90	7.55		113.25	
	150.00	165.00		1	15.00	7.90	10.20	9.05		135.75	
	165.00	180.00		1	15.00	10.20	6.30	8.25		123.75	
	180.00	195.00		1	15.00	6.30	5.50	5.90		88.50	
	195.00	210.00		1	15.00	5.50	6.10	5.80		87.00	
	210.00	225.00		1	15.00	6.10	5.20	5.65		84.75	
	225.00	240.00		1	15.00	5.20	4.88	5.04		75.60	
	240.00	255.00		1	15.00	4.88	4.20	4.54		68.10	
	255.00	269.40		1	14.40	4.20	4.00	4.10		59.04	
								Total Quantity		3000.74	Sqm

Consultant

Contractor

5.2.202

Assistant Engineer

Assistant Executive Engineer

Scanned with CamScanner

Name of Work : - Improvement of Drains and Asphalting to Road at Dasarahalli Surrounding area in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
	Chainage										
	50.00	60.00		1	10.00	14.20	14.40	14.30		143.00	
	60.00	67.00		1	7.00	14.40	10.20	12.30		86.10	
	67.00	75.00		1	8.00	10.20	5.90	8.05		64.40	
	75.00	90.00		1	15.00	5.90	5.70	5.80		87.00	
	90.00	105.00		1	15.00	5.70	5.80	5.75		86.25	
	105.00	120.00		1	15.00	5.80	5.90	5.85		87.75	
	120.00	135.00		1	15.00	5.90	7.20	6.55		98.25	
	135.00	150.00		1	15.00	7.20	7.90	7.55		113.25	
	150.00	165.00		1	15.00	7.90	10.20	9.05		135.75	
	165.00	180.00		1	15.00	10.20	6.30	8.25		123.75	
	180.00	195.00		1	15.00	6.30	5.50	5.90		88.50	
	195.00	210.00		1	15.00	5.50	6.10	5.80		87.00	
	210.00	225.00		1	15.00	6.10	5.20	5.65		84.75	
	225.00	240.00		1	15.00	5.20	4.88	5.04		75.60	
	240.00	255.00		1	15.00	4.88	4.20	4.54		68.10	
	255.00	269.40		1	14.40	4.20	4.00	4.10		59.04	
								Total Quantity		3000.74	Sqm

Consultant

Contractor

Assistant Engineer

Assistant Executive Engineer

Scanned with CamScanner

Name of Work : - Improvement of Drains and Asphalting to Road at Dasarahalli Surrounding area in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
32	KSRRB M500-19. Providing and laying bituminous concrete 30-40 mm compacted thickness with VG30 Bitumen grade using 40-60 HMP using crushed aggregates of grading II, premixed with bituminous binder at 5.4% of mix and filler, transporting the hot mix to work site, laying with a mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRT&H specification clause No. 500.9 complete in all respects as per specifications. MORTH Specification No. 509 (P.No.165 of I.No.21.22.6 in PW,P&IWTD S.R 2016-17)										
	Dasarahalli										
	Goolappa layout										
	1st Cross Road										
	0.00	5.00		1	5.00	5.70	5.50	5.60	0.04	1.12	
	5.00	15.00		1	10.00	5.50	5.50	5.50	0.04	2.20	
	15.00	30.00		1	15.00	5.50	4.10	4.80	0.04	2.88	
	30.00	45.00		1	15.00	4.10	5.10	4.60	0.04	2.76	
	45.00	60.00		1	15.00	5.10	4.40	4.75	0.04	2.85	
	60.00	75.00		1	15.00	4.40	4.90	4.65	0.04	2.79	
	75.00	90.00		1	15.00	4.90	5.00	4.95	0.04	2.97	
	90.00	105.70		1	15.70	5.00	4.70	4.85	0.04	3.05	
	2nd Cross Road										
	0.00	5.00		1	5.00	5.60	6.00	5.80	0.04	1.16	
	5.00	15.00		1	10.00	6.00	6.05	6.03	0.04	2.41	
	15.00	30.00		1	15.00	6.05	6.60	6.33	0.04	3.80	
	30.00	36.80		1	6.80	6.60	6.50	6.55	0.04	1.78	
	36.80	52.00		1	15.20	6.50	5.35	5.93	0.04	3.60	
	52.00	64.00		1	12.00	5.35	5.50	5.43	0.04	2.60	
	3rd Cross Road										
	0.00	5.00		1	5.00	4.00	4.50	4.25	0.04	0.85	
	5.00	15.00		1	10.00	4.50	4.50	4.50	0.04	1.80	
	15.00	30.00		1	15.00	4.50	5.20	4.85	0.04	2.91	
	30.00	41.80		1	11.80	5.20	6.50	5.85	0.04	2.76	
	High extension wire Road										
	0.00	5.00	0.00	1	5.00	8.40	7.20	7.80	0.04	1.56	
	5.00	15.00	0.00	1	10.00	7.20	7.20	7.20	0.04	2.88	

Consultant

Contractor

Assistant Engineer

5.2.2020

Assistant Executive Engineer

Scanned with CamScanner

Name of Work : - Improvement of Drains and Asphalting to Road at Dasarahalli Surrounding area in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
	Chainage										
	15.00	30.00	0.00	1	15.00	7.20	8.30	7.75	0.04	4.65	
	30.00	45.00	0.00	1	15.00	8.30	8.00	8.15	0.04	4.89	
	45.00	50.00	0.00	1	5.00	8.00	14.20	11.10	0.04	2.22	
	50.00	60.00	0.00	1	10.00	14.20	14.40	14.30	0.04	5.72	
	60.00	67.00	0.00	1	7.00	14.40	10.20	12.30	0.04	3.44	
	67.00	75.00	0.00	1	8.00	10.20	5.90	8.05	0.04	2.58	
	75.00	90.00	0.00	1	15.00	5.90	5.70	5.80	0.04	3.48	
	90.00	105.00	0.00	1	15.00	5.70	5.80	5.75	0.04	3.45	
	105.00	120.00	0.00	1	15.00	5.80	5.90	5.85	0.04	3.51	
	120.00	135.00	0.00	1	15.00	5.90	7.20	6.55	0.04	3.93	
	135.00	150.00	0.00	1	15.00	7.20	7.90	7.55	0.04	4.53	
	150.00	165.00	0.00	1	15.00	7.90	10.20	9.05	0.04	5.43	
	165.00	180.00	0.00	1	15.00	10.20	6.30	8.25	0.04	4.95	
	180.00	195.00	0.00	1	15.00	6.30	5.50	5.90	0.04	3.54	
	195.00	210.00	0.00	1	15.00	5.50	6.10	5.80	0.04	3.48	
	210.00	225.00	0.00	1	15.00	6.10	5.20	5.65	0.04	3.39	
	225.00	240.00	0.00	1	15.00	5.20	4.88	5.04	0.04	3.02	
	240.00	255.00	0.00	1	15.00	4.88	4.20	4.54	0.04	2.72	
	255.00	269.40	0.00	1	14.40	4.20	4.00	4.10	0.04	2.36	
								Total Quantity		120.03	Cum

Consultant

Contractor

5.2.2020

Assistant Engineer

Assistant Executive Engineer

Scanned with CamScanner

Name of Work : - Improvement of Drains and Asphalting to Road at Dasarahalli Surrounding area in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
33	KSRRB M800-13. Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803.(P.No.185, I.No.24.15 of PW,P&IWTD SR 2016-17)									
	Goolappa layout									
	1st Cross Road									
	Edge Line		2	105.70			0.10		21.14	
	2nd Cross Road									
	Edge Line		2	64.00			0.10		12.80	
	3rd Cross Road									
	Edge Line		2	41.80			0.10		8.36	
	High extension wire Road									
	Edge Line		2	269.40			0.10		53.88	
							Total Quantity		**96.18**	**Cum**

Consultant

Contractor

Assistant Engineer

Assistant Executive Engineer

Scanned with CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE
BYTARAYANPURA DIVISION

Name of Work:

Improvement to Drains and Asphalting to Roads at Sadiq Layout Main Road and cross Road in Ward No.06 (Thanisandra),

3rd & PART BILL

DETAILED MEASUREMENTS

TEJUS CONSULTANTS
CONSULTING ENGINEERS AND DESIGNERS
No.58 MIG, 6th Cross, 3rd Main
1st Stage, Basaveshwaranagar
Bangalore-560079
☎ 080 - 23287532
email: tejusconsultants@gmail.com

Scanned with CamScanner

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Sub Division

Bill No :3rd & Part Bill

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Name of Work : - Improvement to Drains and Asphalting to Roads at Sadiq Layout Main Road and cross Road in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
3	KSRRB M300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neately dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH / Chapter 3 (P.No.142, I.No.19.1 of PW, P&IWTD SR 2016-17)										
	Desilt										
	Golden retreat										
	1st Cross										
	LHS										
	0.00	15.00	L/S	1	15.00			0.60	0.60	5.40	
	15.00	30.00	L/S	1	15.00			0.60	0.60	5.40	
	30.00	39.40	L/S	1	9.40			0.60	0.60	3.38	
	RHS										
	0.00	15.00	R/S	1	15.00			0.60	0.60	5.40	
	15.00	30.00	R/S	1	15.00			0.60	0.60	5.40	
	30.00	39.40	R/S	1	9.40			0.60	0.60	3.38	
	2nd Cross										
	LHS										
	0.00	15.00	L/S	1	15.00			0.60	0.60	5.40	
	15.00	30.00	L/S	1	15.00			0.60	0.60	5.40	
	30.00	42.50	L/S	1	12.50			0.60	0.60	4.50	
	RHS										
	0.00	15.00	R/S	1	15.00			0.60	0.60	5.40	
	15.00	30.00	R/S	1	15.00			0.60	0.60	5.40	
	30.00	42.50	R/S	1	12.50			0.60	0.60	4.50	
	3rd Cross										
	RHS										
	0.00	15.00	R/S	1	15.00			0.60	0.60	5.40	
	15.00	30.00	R/S	1	15.00			0.60	0.60	5.40	
	30.00	44.50	R/S	1	14.50			0.60	0.60	5.22	
	4th Cross										
	LHS										
	0.00	15.00	L/S	1	15.00			0.60	0.60	5.40	
	15.00	30.00	L/S	1	15.00			0.60	0.60	5.40	
	30.00	45.70	L/S	1	15.70			0.60	0.60	5.65	
	RHS										

Consultants

Contractor

18-11-19

Assistant Engineer

Assistant Executive Engineer

Scanned with CamScanner

Name of Work : - Improvement to Drains and Asphalting to Roads at Sadiq Layout Main Road and cross Road in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
	0.00	15.00	R/S	1	15.00			0.60	0.60	5.40	
	15.00	30.00	R/S	1	15.00			0.60	0.60	5.40	
	30.00	45.70	R/S	1	15.70			0.60	0.60	5.65	
	Sadiq masjid road										
	LHS										
	0.00	15.00	L/S	1	15.00			0.60	0.60	5.40	
	15.00	18.60	L/S	1	3.60			0.60	0.60	1.30	
	18.60	24.70	L/S	1	6.10			0.60	0.60	2.20	
	24.70	30.60	L/S	1	5.90			0.60	0.60	2.12	
	30.60	38.00	L/S	1	7.40			0.60	0.60	2.66	
	38.00	49.00	L/S	1	11.00			0.60	0.60	3.96	
	49.00	54.00	L/S	1	5.00			0.60	0.60	1.80	
	54.00	62.00	L/S	1	8.00			0.60	0.60	2.88	
	62.00	76.00	L/S	1	14.00			0.60	0.60	5.04	
	76.00	83.00	L/S	1	7.00			0.60	0.60	2.52	
	83.00	98.00	L/S	1	15.00			0.60	0.60	5.40	
	98.00	112.00	L/S	1	14.00			0.60	0.60	5.04	
	112.00	127.00	L/S	1	15.00			0.60	0.60	5.40	
	127.00	142.00	L/S	1	15.00			0.60	0.60	5.40	
	142.00	150.00	L/S	1	8.00			0.60	0.60	2.88	
	150.00	165.00	L/S	1	15.00			0.60	0.60	5.40	
	165.00	180.00	L/S	1	15.00			0.60	0.60	5.40	
	180.00	185.00	L/S	1	5.00			0.60	0.60	1.80	
	185.00	200.00	L/S	1	15.00			0.60	0.60	5.40	
	200.00	208.00	L/S	1	8.00			0.60	0.60	2.88	
	208.00	220.00	L/S	1	12.00			0.60	0.60	4.32	
	220.00	235.00	L/S	1	15.00			0.60	0.60	5.40	
	235.00	250.00	L/S	1	15.00			0.60	0.60	5.40	
	250.00	265.00	L/S	1	15.00			0.60	0.60	5.40	
	265.00	270.00	L/S	1	5.00			0.60	0.60	1.80	
	270.00	278.00	L/S	1	8.00			0.60	0.60	2.88	
	278.00	283.00	L/S	1	5.00			0.60	0.60	1.80	
	283.00	298.00	L/S	1	15.00			0.60	0.60	5.40	
	298.00	302.00	L/S	1	4.00			0.60	0.60	1.44	
	302.00	309.00	L/S	1	7.00			0.60	0.60	2.52	
	309.00	324.00	L/S	1	15.00			0.60	0.60	5.40	
	324.00	330.00	L/S	1	6.00			0.60	0.60	2.16	
	330.00	345.00	L/S	1	15.00			0.60	0.60	5.40	
	345.00	349.00	L/S	1	4.00			0.60	0.60	1.44	
	349.00	352.00	L/S	0	3.00			0.60	0.60	0.00	

Consultants

Contractor

Assistant Engineer 18.11.19

Assistant Executive Engineer

Scanned with CamScanner

Name of Work : - Improvement to Drains and Asphalting to Roads at Sadiq Layout Main Road and cross Road in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
	352.00	365.00	L/S	1	13.00			0.60	0.60	4.68	
	365.00	370.00	L/S	1	5.00			0.60	0.60	1.80	
	370.00	375.00	L/S	1	5.00			0.60	0.60	1.80	
	375.00	390.00	L/S	1	15.00			0.60	0.60	5.40	
	390.00	393.00	L/S	1	3.00			0.60	0.60	1.08	
	393.00	400.00	L/S	1	7.00			0.60	0.60	2.52	
	400.00	415.00	L/S	1	15.00			0.60	0.60	5.40	
	415.00	421.00	L/S	1	6.00			0.60	0.60	2.16	
	421.00	426.00	L/S	1	5.00			0.60	0.60	1.80	
	426.00	441.00	L/S	1	15.00			0.60	0.60	5.40	
	441.00	453.00	L/S	1	12.00			0.60	0.60	4.32	
	RHS										
	0.00	6.00	R/S	1	6.00			0.60	0.60	2.16	
	6.00	14.00	R/S	1	8.00			0.60	0.60	2.88	
	14.00	24.70	R/S	1	10.70			0.60	0.60	3.85	
	24.70	31.30	R/S	1	6.60			0.60	0.60	2.38	
	31.30	46.00	R/S	1	14.70			0.60	0.60	5.29	
	46.00	61.00	R/S	1	15.00			0.60	0.60	5.40	
	61.00	76.00	R/S	1	15.00			0.60	0.60	5.40	
	76.00	83.00	R/S	1	7.00			0.60	0.60	2.52	
	83.00	98.00	R/S	1	15.00			0.60	0.60	5.40	
	98.00	113.00	R/S	1	15.00			0.60	0.60	5.40	
	113.00	118.00	R/S	1	5.00			0.60	0.60	1.80	
	118.00	123.70	R/S	1	5.70			0.60	0.60	2.05	
	123.70	142.70	R/S	1	19.00			0.60	0.60	6.84	
	142.70	147.60	R/S	1	4.90			0.60	0.60	1.76	
	147.60	160.00	R/S	1	12.40			0.60	0.60	4.46	
	160.00	165.00	R/S	1	5.00			0.60	0.60	1.80	
	165.00	169.20	R/S	1	4.20			0.60	0.60	1.51	
	169.20	185.00	R/S	1	15.80			0.60	0.60	5.69	
	185.00	190.00	R/S	1	5.00			0.60	0.60	1.80	
	190.00	194.80	R/S	1	4.80			0.60	0.60	1.73	
	194.80	209.00	R/S	1	14.20			0.60	0.60	5.11	
	209.00	215.00	R/S	1	6.00			0.60	0.60	2.16	
	215.00	220.00	R/S	1	5.00			0.60	0.60	1.80	
	220.00	235.00	R/S	1	15.00			0.60	0.60	5.40	
	235.00	250.00	R/S	1	15.00			0.60	0.60	5.40	
	250.00	256.00	R/S	1	6.00			0.60	0.60	2.16	
	256.00	262.00	R/S	1	6.00			0.60	0.60	2.16	
	262.00	270.00	R/S	1	8.00			0.60	0.60	2.88	
	270.00	278.00	R/S	1	8.00			0.60	0.60	2.88	

Consultants

Contractor

Assistant Engineer

18.11.2019

Assistant Engineer

Scanned with CamScanner

Name of Work : - Improvement to Drains and Asphalting to Roads at Sadiq Layout Main Road and cross Road in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
	278.00	282.20	R/S	1	4.20			0.60	0.60	1.51	
	282.20	298.00	R/S	1	15.80			0.60	0.60	5.69	
	298.00	302.00	R/S	1	4.00			0.60	0.60	1.44	
	302.00	306.20	R/S	1	4.20			0.60	0.60	1.51	
	306.20	320.00	R/S	1	13.80			0.60	0.60	4.97	
	320.00	328.00	R/S	1	8.00			0.60	0.60	2.88	
	328.00	331.00	R/S	1	3.00			0.60	0.60	1.08	
	331.00	347.00	R/S	1	16.00			0.60	0.60	5.76	
	347.00	358.00	R/S	1	11.00			0.60	0.60	3.96	
	358.00	363.00	R/S	1	5.00			0.60	0.60	1.80	
	363.00	378.00	R/S	1	15.00			0.60	0.60	5.40	
	378.00	392.00	R/S	1	14.00			0.60	0.60	5.04	
	392.00	398.00	R/S	1	6.00			0.60	0.60	2.16	
	398.00	413.00	R/S	1	15.00			0.60	0.60	5.40	
	413.00	428.00	R/S	1	15.00			0.60	0.60	5.40	
	428.00	443.00	R/S	1	15.00			0.60	0.60	5.40	
	443.00	451.00	R/S	1	8.00			0.60	0.60	2.88	
	Sadiq masjid road										
	New Culverts										
	1st Cross			1	6.00			2.00	1.20	14.40	
	3rd Cross										
			R/S	1	3.00			2.00	1.20	7.20	
			L/S	1	3.00			2.00	1.20	7.20	
	4th Cross			1	4.20			1.70	1.20	8.57	
	5th Cross			1	4.20			1.70	1.20	8.57	
	8th Cross			1	4.80			1.70	1.20	9.79	
	9th Cross			1	4.20			1.70	1.20	8.57	
	Abubakar masjid road										
	Culverts- 1			1	4.20			2.00	0.75	6.30	
	Culverts- 2			1	4.20			2.00	0.75	6.30	
	Culverts- 3			1	4.80			2.00	0.75	7.20	
	Culverts- 4			1	4.80			2.00	0.75	7.20	
	Culverts- 5			1	3.35			2.00	0.75	5.03	
	Culverts- 6			1	6.55			2.00	0.75	9.83	
								Total Quantity		**538.40**	**Cum**

Consultants

Contractor

Assistant Engineer

Assistant Executive Engineer

Scanned with CamScanner

Detailed Measurements

Name of Work : - Improvement to Drains and Asphalting to Roads at Sadiq Layout Main Road and cross Road in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
16	KSRB 4-1.2: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No.4.2 of PW,P&IWTD S.R 2016-17)									
	Sadiq masjid road									
	New Culverts									
	1st Cross		1	6.00			2.00	0.15	1.80	
	3rd Cross									
		R/S	1	3.00			2.00	0.15	0.90	
		L/S	1	3.00			2.00	0.15	0.90	
	4th Cross		1	4.20			1.70	0.15	1.07	
	5th Cross		1	4.20			1.70	0.15	1.07	
	8th Cross		1	4.80			1.70	0.15	1.22	
	9th Cross		1	4.20			1.70	0.15	1.07	
	Abubakar masjid road									
	Culverts- 1		1	4.20			2.00	0.15	1.26	
	Culverts- 2		1	4.20			2.00	0.15	1.26	
	Culverts- 3		1	4.80			2.00	0.15	1.44	
	Culverts- 4		1	4.80			2.00	0.15	1.44	
	Culverts- 5		1	3.35			2.00	0.15	1.01	
	Culverts- 6		1	6.55			2.00	0.15	1.97	
							Total Quantity		**16.41**	**Cum**

Consultants

Contractor

Assistant Engineer

Assistant Executive Engineer

Scanned with CamScanner

Name of Work : - Improvement to Drains and Asphalting to Roads at Sadiq Layout Main Road and cross Road in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
10	Removing and refixing stone slabs of drains and pointing in CM (1:3) (P.No.25, I.No.5.33 of PW, P&IWTD SR 2016-17)										
	Sadique layout, Golden retreat										
	1st Cross										
	LHS										
	0.00	15.00	L/S	1	15.00			1.80		27.00	
	30.00	39.40	L/S	1	9.40			1.80		16.92	
	RHS										
	0.00	15.00	R/S	1	15.00			1.80		27.00	
	30.00	39.40	R/S	1	9.40			1.80		16.92	
	2nd Cross										
	LHS										
	0.00	15.00	L/S	1	15.00			1.80		27.00	
	15.00	30.00	L/S	1	15.00			1.80		27.00	
	RHS										
	0.00	15.00	R/S	1	9.00			1.80		16.20	
	15.00	30.00	R/S	1	15.00			1.80		27.00	
	3rd Cross										
	RHS										
	0.00	15.00	R/S	1	15.00			1.80		27.00	
	15.00	30.00	R/S	1	10.00			1.80		18.00	
	30.00	44.50	R/S	1	14.50			1.80		26.10	
	4th Cross										
	LHS										
	0.00	15.00	L/S	1	15.00			1.80		27.00	
	15.00	30.00	L/S	1	15.00			1.80		27.00	
	30.00	45.70	L/S	1	15.70			1.80		28.26	
	RHS										
	0.00	15.00	R/S	1	15.00			1.80		27.00	
	15.00	30.00	R/S	1	15.00			1.80		27.00	
	30.00	45.70	R/S	1	15.70			1.80		28.26	
	Sadiq masjid road										
	LHS										
	0.00	15.00	L/S	1	15.00			1.80		27.00	
	15.00	18.60	L/S	1	3.60			1.80		6.48	
	83.00	98.00	L/S	1	15.00			1.80		27.00	
	98.00	112.00	L/S	1	14.00			1.80		25.20	
	112.00	127.00	L/S	1	15.00			1.80		27.00	
	185.00	200.00	L/S	1	15.00			1.80		27.00	
	250.00	265.00	L/S	1	15.00			1.80		27.00	

Consultants

Contractor

Assistant Engineer

Assistant Executive Engineer

Scanned with CamScanner

Name of Work : - Improvement to Drains and Asphalting to Roads at Sadiq Layout Main Road and cross Road in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
	345.00	349.00	L/S	1	4.00			1.80		7.20	
	352.00	365.00	L/S	1	13.00			1.80		23.40	
	365.00	370.00	L/S	1	5.00			1.80		9.00	
	RHS										
	46.00	61.00	R/S	1	15.00			1.80		27.00	
	61.00	76.00	R/S	1	15.00			1.80		27.00	
	83.00	98.00	R/S	1	15.00			1.80		27.00	
	185.00	190.00	R/S	1	5.00			1.80		9.00	
	194.80	209.00	R/S	1	14.20			1.80		25.56	
	209.00	215.00	R/S	1	6.00			1.80		10.80	
	262.00	270.00	R/S	1	8.00			1.80		14.40	
	270.00	278.00	R/S	1	8.00			1.80		14.40	
	282.20	298.00	R/S	1	15.80			1.80		28.44	
	320.00	328.00	R/S	1	8.00			1.80		14.40	
	331.00	347.00	R/S	1	16.00			1.80		28.80	
	347.00	358.00	R/S	1	11.00			1.80		19.80	
							Total Quantity			**873.54**	**Sqm**

Consultants

Contractor

Assistant Engineer 22.11.19

Assistant Executive Engineer

Scanned with CamScanner

Name of Work : - Improvement to Drains and Asphalting to Roads at Sadiq Layout Main Road and cross Road in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
11	Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortor (1:6) including fixing curing etc,. Complete. 7.5cms thick (P.No.25, I.No.5.31.1 of PW, P&IWTD SR 2016-17)										
	1st Cross										
	LHS										
	15.00	30.00	L/S	1	14.00			1.80		25.20	
	RHS										
	15.00	30.00	R/S	1	14.00			1.80		25.20	
	2nd Cross										
	LHS										
	15.00	30.00	L/S	1	15.00			1.80		27.00	
	RHS										
	15.00	30.00	R/S	1	15.00			1.80		27.00	
							Total Quantity			**104.40**	**Sqm**

Assistant Engineer

Assistant Executive Engineer

Scanned with CamScanner

Name of Work : - Improvement to Drains and Asphalting to Roads at Sadiq Layout Main Road and cross Road in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
12	Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortor (1:6) including fixing curing etc,. Complete. 10cms thick (P.No.25, I.No.5.31.2 of PW, P&IWTD SR 2016-17)										
	Sadiq masjid road										
	LHS										
	0.00	15.00	L/S	1	10.00			0.90		9.00	
	15.00	18.60	L/S	1	3.60			0.90		3.24	
	83.00	98.00	L/S	1	10.00			0.90		9.00	
	112.00	127.00	L/S	1	15.00			0.90		13.50	
	250.00	265.00	L/S	1	14.00			0.90		12.60	
	345.00	349.00	L/S	1	4.00			0.90		3.60	
	365.00	370.00	L/S	1	5.00			0.90		4.50	
	RHS										
	61.00	76.00	R/S	1	11.00			0.90		9.90	
	185.00	190.00	R/S	1	5.00			0.90		4.50	
	209.00	215.00	R/S	1	6.00			0.90		5.40	
	320.00	328.00	R/S	1	8.00			0.90		7.20	
	331.00	347.00	R/S	1	5.00			0.90		4.50	
	0.00	15.00	L/S	1	6.00			0.90		5.40	
	54.00	62.00	L/S	1	8.00			0.90		7.20	
	112.00	127.00	L/S	1	6.00			0.90		5.40	
								Total Quantity		**104.94**	**Sqm**

Consultants

Contractor

22.11.19
Assistant Engineer

Assistant Executive Engineer

Scanned with CamScanner

Name of Work : - Improvement to Drains and Asphalting to Roads at Sadiq Layout Main Road and cross Road in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
13	KSRB 5.2-3: Providing and constructing granite size stone masonry in foundation cement mortor 1:6, stone hammered dressed in courses not less than 20cms high, bond stones at 2m. apart in each course including cost of materaials, labour, curing complete as per specifications. Specifcation No. KBS 5.1.13.(using available stones) (P.No.23, I.No.5.6 of PW, P&IWTD S.R 2016-17)									
	Sadiq masjid road									
	New Culverts									
	1st Cross		2	6.00			0.60	0.60	4.32	
	3rd Cross									
		R/S	2	3.00			0.60	0.60	2.16	
		L/S	2	3.00			0.60	0.60	2.16	
	4th Cross		2	4.20			0.60	0.60	3.02	
	5th Cross		2	4.20			0.60	0.60	3.02	
	8th Cross		2	4.80			0.60	0.60	3.46	
	9th Cross		2	4.20			0.60	0.60	3.02	
	Abubakar masjid road									
	Culverts- 1		2	4.20			0.60	0.60	3.02	
	Culverts- 2		2	4.20			0.60	0.60	3.02	
	Culverts- 3		2	4.80			0.60	0.60	3.46	
	Culverts- 4		2	4.80			0.60	0.60	3.46	
	Culverts- 5		2	3.35			0.60	0.60	2.41	
	Culverts- 6		2	6.55			0.60	0.60	4.72	
						Total Quantity			**41.26**	**Cum**

Consultants

Contractor

Assistant Engineer 25.11.19

Assistant Executive Engineer

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Name of Work : - Improvement to Drains and Asphalting to Roads at Sadiq Layout Main Road and cross Road in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
14	KSRB 15.1.1 Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. (P.No.113, I.No.15.1 of PW, P&IWTD S.R 2016-17)									
	Sadiq masjid road									
	New Culverts									
	1st Cross		2	6.00				0.60	7.20	
	3rd Cross									
		R/S	2	3.00				0.60	3.60	
		L/S	2	3.00				0.60	3.60	
	4th Cross		2	4.20				0.60	5.04	
	5th Cross		2	4.20				0.60	5.04	
	8th Cross		2	4.80				0.60	5.76	
	9th Cross		2	4.20				0.60	5.04	
	Abubakar masjid road									
	Culverts- 1		2	4.20				0.60	5.04	
	Culverts- 2		2	4.20				0.60	5.04	
	Culverts- 3		2	4.80				0.60	5.76	
	Culverts- 4		2	4.80				0.60	5.76	
	Culverts- 5		2	3.35				0.60	4.02	
	Culverts- 6		2	6.55				0.60	7.86	
							Total Quantity		**68.76**	**Cum**

Consultants

Contractor

Assistant Engineer

Assistant Executive Engineer

Scanned with CamScanner

Name of Work : - Improvement to Drains and Asphalting to Roads at Sadiq Layout Main Road and cross Road in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
15	KSRB 4-1.6: Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No.4.6 of PW,P&IWTD S.R 2016-17)									
	Coping									
	Sadiq masjid road									
	New Culverts									
	1st Cross		2	6.00			0.60	0.10	0.72	
	3rd Cross									
		R/S	2	3.00			0.60	0.10	0.36	
		L/S	2	3.00			0.60	0.10	0.36	
	4th Cross		2	4.20			0.60	0.10	0.50	
	5th Cross		2	4.20			0.60	0.10	0.50	
	8th Cross		2	4.80			0.60	0.10	0.58	
	9th Cross		2	4.20			0.60	0.10	0.50	
	Abubakar masjid road									
	Culverts- 1		2	4.20			0.60	0.10	0.50	
	Culverts- 2		2	4.20			0.60	0.10	0.50	
	Culverts- 3		2	4.80			0.60	0.10	0.58	
	Culverts- 4		2	4.80			0.60	0.10	0.58	
	Culverts- 5		2	3.35			0.60	0.10	0.40	
	Culverts- 6		2	6.55			0.60	0.10	0.79	
						Total Quantity			**6.88**	**Cum**

Consultants

Contractor

27.11.19
Assistant Engineer

Assistant Executive Engineer

Scanned with CamScanner

Name of Work : - Improvement to Drains and Asphalting to Roads at Sadiq Layout Main Road and cross Road in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
23	Providing and fixing **RCC Precast cover slab of 250mm thick** for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)									
	Sadiq masjid road									
	New Culverts									
	1st Cross		1	6.00			1.80		10.80	
	3rd Cross									
		R/S	1	3.00			1.80		5.40	
		L/S	1	3.00			1.80		5.40	
	4th Cross		1	4.20			1.80		7.56	
	5th Cross		1	4.20			1.80		7.56	
	8th Cross		1	4.80			1.80		8.64	
	9th Cross		1	4.20			1.80		7.56	
	Abubakar masjid road									
	Culverts- 1		1	4.20			1.80		7.56	
	Culverts- 2		1	4.20			1.80		7.56	
	Culverts- 3		1	4.80			1.80		8.64	
	Culverts- 4		1	4.80			1.80		8.64	
	Culverts- 5		1	3.35			1.80		6.03	
	Culverts- 6		1	6.55			1.80		11.79	
							Total Quantity		**103.14**	**Sqm**

Consultants

Contractor

3-12-19
Assistant Engineer

Assistant Executive Engineer

Scanned with CamScanner

Name of Work : - Improvement to Drains and Asphalting to Roads at Sadiq Layout Main Road and cross Road in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
26	KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to embankment location and complete as per specifications. MORTH Specification No.301 (P.No.143, I.No.19.14 of PW,P&IWTD S.R 2016-17)										
	Golden retreat										
	1st Cross										
	0.00	15.00		1	15.00	6.90	6.70	6.80	0.23	23.46	
	15.00	30.00		1	15.00	6.70	6.10	6.40	0.23	22.08	
	30.00	38.70		1	8.70	6.10	4.70	5.40	0.23	10.81	
	38.70	39.40		1	0.70	4.70	1.80	3.25	0.23	0.52	
	2nd Cross										
	0.00	15.00		1	15.00	6.00	6.40	6.20	0.23	21.39	
	15.00	30.00		1	15.00	6.40	5.50	5.95	0.23	20.53	
	30.00	42.50		1	12.50	5.50	5.50	5.50	0.23	15.81	
	3rd Cross										
	0.00	15.00		1	15.00	4.20	5.00	4.60	0.23	15.87	
	15.00	30.00		1	15.00	5.00	7.10	6.05	0.23	20.87	
	30.00	44.50		1	14.50	7.10	7.10	7.10	0.23	23.68	
	4th Cross										
	0.00	15.00		1	15.00	6.30	5.40	5.85	0.23	20.18	
	15.00	30.00		1	15.00	5.40	5.80	5.60	0.23	19.32	
	30.00	45.70		1	15.70	5.80	5.40	5.60	0.23	20.22	
								TOTAL		**234.74**	**Cum**

Consultants

Contractor

26.01.2020

Assistant Engineer

Assistant Executive Engineer

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Name of Work : - Improvement to Drains and Asphalting to Roads at Sadiq Layout Main Road and cross Road in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
28	KSRRB M 400-17, Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechaniqal mix plant carriage ' of mixed Material by tipper to site, laying in uniform layers with paver in sub- base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density.complete as per specifications. MORTH Specification No. 406 (P.No.158, I.No.20.18 of PW,P&IWTD SR 2016-17)										
	Golden retreat										
	1st Cross										
	0.00	15.00		1	15.00	6.90	6.70	6.80	0.23	23.46	
	15.00	30.00		1	15.00	6.70	6.10	6.40	0.23	22.08	
	30.00	38.70		1	8.70	6.10	4.70	5.40	0.23	10.81	
	38.70	39.40		1	0.70	4.70	1.80	3.25	0.23	0.52	
	2nd Cross										
	0.00	15.00		1	15.00	6.00	6.40	6.20	0.23	21.39	
	15.00	30.00		1	15.00	6.40	5.50	5.95	0.23	20.53	
	30.00	42.50		1	12.50	5.50	5.50	5.50	0.23	15.81	
	3rd Cross										
	0.00	15.00		1	15.00	4.20	5.00	4.60	0.23	15.87	
	15.00	30.00		1	15.00	5.00	7.10	6.05	0.23	20.87	
	30.00	44.50		1	14.50	7.10	7.10	7.10	0.23	23.68	
	4th Cross										
	0.00	15.00		1	15.00	6.30	5.40	5.85	0.23	20.18	
	15.00	30.00		1	15.00	5.40	5.80	5.60	0.23	19.32	
	30.00	45.70		1	15.70	5.80	5.40	5.60	0.23	20.22	
								Total Quantity		**234.74**	**Cum**

Consultants

Contractor

16.09.2020
Assistant Engineer

Assistant Executive Engineer

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Name of Work : - Improvement to Drains and Asphalting to Roads at Sadiq Layout Ma... cross Road in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
29	KSRRB M 500-6, Providing and applying primer coat with SS bitumen emulsion on prepared surface of granular Base such as WBM WMM including clearing of road surface and spraying primer at the rate of 0.60 kglsqm using mechanical means complete as per specifications. As per MORTH specification clause No. 502 (P.No.161, I.No.21.6 of PW,P&IWTD SR 2016-17)										
	Golden retreat										
	1st Cross										
	0.00	15.00		1	15.00	6.90	6.70	6.80		102.00	
	15.00	30.00		1	15.00	6.70	6.10	6.40		96.00	
	30.00	38.70		1	8.70	6.10	4.70	5.40		46.98	
	38.70	39.40		1	0.70	4.70	1.80	3.25		2.27	
	2nd Cross										
	0.00	15.00		1	15.00	6.00	6.40	6.20		93.00	
	15.00	30.00		1	15.00	6.40	5.50	5.95		89.25	
	30.00	42.50		1	12.50	5.50	5.50	5.50		68.75	
	3rd Cross										
	0.00	15.00		1	15.00	4.20	5.00	4.60		69.00	
	15.00	30.00		1	15.00	5.00	7.10	6.05		90.75	
	30.00	44.50		1	14.50	7.10	7.10	7.10		102.95	
	4th Cross										
	0.00	15.00		1	15.00	6.30	5.40	5.85		87.75	
	15.00	30.00		1	15.00	5.40	5.80	5.60		84.00	
	30.00	45.70		1	15.70	5.80	5.40	5.60		87.92	
								Total Quantity		**1020.63**	**Sqm**

Consultants

Contractor

Assistant Engineer

Assistant Executive Engineer

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Name of Work : - Improvement to Drains and Asphalting to Roads at Sadiq Layout Main Road and cross Road in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
31	KSRRB M500-7 : Providing and applying tack coat using 80/100 grade bitumen (VG10) on prepared black topped surfaces at 2.5 Kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.MORTH / Chapter 5 (P.No.161 I.No.21.7 of PW,P&IWTD SR of 2016-17)										
	Golden retreat										
	1st Cross										
	0.00	15.00	0.00	1.00	15.00	6.90	6.70	6.80		102.00	
	15.00	30.00	0.00	1.00	15.00	6.70	6.10	6.40		96.00	
	30.00	38.70	0.00	1.00	8.70	6.10	4.70	5.40		46.98	
	38.70	39.40	0.00	1.00	0.70	4.70	1.80	3.25		2.27	
	2nd Cross										
	0.00	15.00	0.00	1.00	15.00	6.00	6.40	6.20		93.00	
	15.00	30.00	0.00	1.00	15.00	6.40	5.50	5.95		89.25	
	30.00	42.50	0.00	1.00	12.50	5.50	5.50	5.50		68.75	
	3rd Cross										
	0.00	15.00	0.00	1.00	15.00	4.20	5.00	4.60		69.00	
	15.00	30.00	0.00	1.00	15.00	5.00	7.10	6.05		90.75	
	30.00	44.50	0.00	1.00	14.50	7.10	7.10	7.10		102.95	
	4th Cross										
	0.00	15.00	0.00	1.00	15.00	6.30	5.40	5.85		87.75	
	15.00	30.00	0.00	1.00	15.00	5.40	5.80	5.60		84.00	
	30.00	45.70	0.00	1.00	15.70	5.80	5.40	5.60		87.92	
								Total Quantity		**1020.63**	**Sqm**

Consultants

Contractor

Assistant Engineer 3/2/2020

Assistant Executive Engineer

Scanned with CamScanner

Name of Work : - Improvement to Drains and Asphalting to Roads at Sadiq Layout Main Road and cross Road in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
32	KSRRB M500-19. Providing and laying bituminous concrete 30-40 mm compacted thickness with VG30 Bitumen grade using 40-60 HMP using crushed aggregates of grading II, premixed with bituminous binder at 5.4% of mix and filler, transporting the hot mix to work site, laying with a mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRT&H specification clause No. 500.9 complete in all respects as per specifications. MORTH Specification No. 509 (P.No.165 of I.No.21.22.6 in PW.P&IWTD S.R 2016-17)										
	Golden retreat										
	1st Cross										
	0.00	15.00		1	15.00	6.90	6.70	6.80	0.04	4.08	
	15.00	30.00		1	15.00	6.70	6.10	6.40	0.04	3.84	
	30.00	38.70		1	8.70	6.10	4.70	5.40	0.04	1.88	
	38.70	39.40		1	0.70	4.70	1.80	3.25	0.04	0.09	
	2nd Cross										
	0.00	15.00		1	15.00	6.00	6.40	6.20	0.04	3.72	
	15.00	30.00		1	15.00	6.40	5.50	5.95	0.04	3.57	
	30.00	42.50		1	12.50	5.50	5.50	5.50	0.04	2.75	
	3rd Cross										
	0.00	15.00		1	15.00	4.20	5.00	4.60	0.04	2.76	
	15.00	30.00		1	15.00	5.00	7.10	6.05	0.04	3.63	
	30.00	44.50		1	14.50	7.10	7.10	7.10	0.04	4.12	
	4th Cross										
	0.00	15.00		1	15.00	6.30	5.40	5.85	0.04	3.51	
	15.00	30.00		1	15.00	5.40	5.80	5.60	0.04	3.36	
	30.00	45.70		1	15.70	5.80	5.40	5.60	0.04	3.52	
								Total Quantity		**40.83**	**Cum**

Consultants

Contractor

Assistant Engineer 3/2/2022

Assistant Executive Engineer

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Detailed Measurements

Name of Work : - Improvement to Drains and Asphalting to Roads at Sadiq Layout Main Road and cross Road in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
33	KSRRB M800-13. Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803.(P.No.185, I.No.24.15 of PW,P&IWTD SR 2016-17)									
	Golden retreat									
	1st Cross									
	Edge Line		2	39.40			0.10		7.88	
	2nd Cross									
	Edge Line		2	42.50			0.10		8.50	
	3rd Cross									
	Edge Line		2	44.50			0.10		8.90	
	4th Cross									
	Edge Line		2	45.70			0.10		9.44	
							Total Quantity		**34.42**	**Sqm**

Consultants

Contractor

15/2/2020

Assistant Engineer

Assistant Executive Engineer

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BRUHAT BANGALORE MAHANAGARA PALIKE
BYTARAYANPURA DIVISION

Name of Work:

Improvement of Drains and Asphalting to Road at Bhuvaneshwarinagara Cross Roads in Ward No.06(Thanisandra),

3rd & PART BILL

DETAILED MEASUREMENTS

TEJUS CONSULTANTS
CONSULTING ENGINEERS AND DESIGNERS
No.58 MIG, 6th Cross, 3rd Main
1st Stage, Basaveshwaranagar
Bangalore-560079
☎ 080 - 23287532
email: tejusconsultants@gmail.com

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Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Sub Division

Bill No :3rd & Part Bill

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Name of Work : - Improvement of Drains and Asphalting to Road at Bhuvaneshwarinagara Cross Roads in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
2	KSRRB 200-8. Clearing and grubbing road land including uprooting rank vegetation, grass, brush, shrubs, saplings and trees of girth upto 300mm, by manual means, in area of light jungle, removal of stumps, disposal of unserviceable materials, stacking of serviceable materials labour charges complete as per specifications. MORTH / Chapter 2 (P.No.136, I.No.18.11 of PW, P&IWTD SR 2016-17)										
	4th cross										
	Subramanya swamy temple road										
	LHS										
	0.00	14.70	L/S	1	14.70			1.00		14.70	
	14.70	23.30	L/S	1	8.60			1.00		8.60	
	23.30	29.80	L/S	1	6.50			1.00		6.50	
	29.80	45.80	L/S	1	16.00			1.00		16.00	
	45.80	54.20	L/S	1	8.40			1.00		8.40	
	54.20	64.00	L/S	1	9.80			1.00		9.80	
	64.00	72.00	L/S	1	8.00			1.00		8.00	
	72.00	90.00	L/S	1	18.00			1.00		18.00	
	90.00	105.00	L/S	1	15.00			1.00		15.00	
	105.00	120.00	L/S	1	15.00			1.00		15.00	
	120.00	128.00	L/S	1	8.00			1.00		8.00	
	128.00	137.00	L/S	1	9.00			1.00		9.00	
	137.00	146.40	L/S	1	9.40			1.00		9.40	
	146.40	165.00	L/S	1	18.60			1.00		18.60	
	165.00	174.00	L/S	1	9.00			1.00		9.00	
	174.00	190.00	L/S	1	16.00			1.00		16.00	
	190.00	205.00	L/S	1	15.00			1.00		15.00	
	205.00	220.00	L/S	1	15.00			1.00		15.00	
	220.00	235.00	L/S	1	15.00			1.00		15.00	
	235.00	250.00	L/S	1	15.00			1.00		15.00	
	250.00	265.80	L/S	1	15.80			1.00		15.80	
	RHS										
	0.00	4.90	R/S	0	4.90			1.00		0.00	No Drain
	4.90	14.90	R/S	1	10.00			1.00		10.00	
	14.90	16.60	R/S	1	1.70			1.00		1.70	
	16.60	17.80	R/S	1	1.20			1.00		1.20	
	17.80	21.10	R/S	1	3.30			1.00		3.30	

Assistant Engineer 18.11.2019

Assistant Executive Engineer

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Name of Work : - Improvement of Drains and Asphalting to Road at Bhuvaneshwarinagara Cross Roads in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
	21.10	33.10	R/S	1	12.00			1.00		12.00	
	33.10	38.00	R/S	1	4.90			1.00		4.90	
	38.00	45.80	R/S	1	7.80			1.00		7.80	
	45.80	62.50	R/S	1	16.70			1.00		16.70	
	62.50	72.00	R/S	1	9.50			1.00		9.50	
	72.00	100.00	R/S	1	28.00			1.00		28.00	
	100.00	128.00	R/S	1	28.00			1.00		28.00	
	128.00	137.00	R/S	1	9.00			1.00		9.00	
	137.00	146.20	R/S	1	9.20			1.00		9.20	
	146.20	155.50	R/S	1	9.30			1.00		9.30	
	155.50	170.00	R/S	1	14.50			1.00		14.50	
	170.00	185.00	R/S	1	15.00			1.00		15.00	
	185.00	200.00	R/S	1	15.00			1.00		15.00	
	200.00	211.70	R/S	1	11.70			1.00		11.70	
	211.70	225.30	R/S	1	13.60			1.00		13.60	
	225.30	240.30	R/S	1	15.00			1.00		15.00	
	240.30	254.20	R/S	1	13.90			1.00		13.90	
	254.20	269.20	R/S	1	15.00			1.00		15.00	
	269.20	284.20	R/S	1	15.00			1.00		15.00	
	284.20	299.20	R/S	1	15.00			1.00		15.00	
	299.20	314.70	R/S	1	15.50			1.00		15.50	
	Pragathi layout										
	14th cross										
	LHS										
	15.00	27.00	L/S	1	12.00			1.00		12.00	
	27.00	28.50	L/S	1	1.50			1.00		1.50	
	28.50	33.10	L/S	0	4.60			1.00		0.00	c/s road
	59.80	62.50	L/S	0	2.70			1.00		0.00	c/s road
	64.30	79.30	L/S	1	15.00			1.00		15.00	
	79.30	88.10	L/S	1	8.80			1.00		8.80	
	RHS										
	0.00	64.30	R/S	0	64.30			1.00		0.00	No work
	64.30	75.00	R/S	1	10.70			1.00		10.70	
	75.00	80.00	R/S	1	5.00			1.00		5.00	
	80.00	88.10	R/S	1	8.10			1.00		8.10	
	16th cross road										
	LHS										
	0.00	15.00	L/S	1	15.00			1.00		15.00	
	15.00	30.00	L/S	1	15.00			1.00		15.00	
	30.00	40.00	L/S	1	10.00			1.00		10.00	
	40.00	55.00	L/S	1	15.00			1.00		15.00	
	55.00	70.00	L/S	1	15.00			1.00		15.00	

18/11/2019

Consultants

Contractor

18.11.19

Assistant Engineer

Assistant Executive Engineer

Scanned with CamScanner

Name of Work : - Improvement of Drains and Asphalting to Road at Bhuvaneshwarinagara Cross Roads in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
	Chainage										
	70.00	85.00	L/S	1	15.00			1.00		15.00	
	85.00	96.60	L/S	1	11.60			1.00		11.60	
	96.60	110.80	L/S	1	14.20			1.00		14.20	
	110.80	114.00	L/S	1	3.20			1.00		3.20	
	114.00	123.60	L/S	1	9.60			1.00		9.60	
	123.60	138.60	L/S	1	15.00			1.00		15.00	
	138.60	141.60	L/S	1	3.00			1.00		3.00	
	141.60	147.80	L/S	1	6.20			1.00		6.20	
	147.80	160.00	L/S	1	12.20			1.00		12.20	
	160.00	175.00	L/S	1	15.00			1.00		15.00	
	175.00	190.00	L/S	1	15.00			1.00		15.00	
	190.00	202.40	L/S	1	12.40			1.00		12.40	
	202.40	206.20	L/S	1	3.80			1.00		3.80	
	206.20	220.00	L/S	1	13.80			1.00		13.80	
	220.00	230.40	L/S	1	10.40			1.00		10.40	
	RHS										
	0.00	15.00	L/S	1	15.00			1.00		15.00	
	15.00	30.00	L/S	1	15.00			1.00		15.00	
	30.00	40.00	L/S	1	10.00			1.00		10.00	
	40.00	55.00	L/S	1	15.00			1.00		15.00	
	55.00	70.00	L/S	1	15.00			1.00		15.00	
	70.00	85.00	L/S	1	15.00			1.00		15.00	
	85.00	96.60	L/S	1	11.60			1.00		11.60	
	96.60	111.60	L/S	1	15.00			1.00		15.00	
	111.60	118.20	L/S	1	6.60			1.00		6.60	
	118.20	121.80	L/S	1	3.60			1.00		3.60	
	121.80	136.80	L/S	1	15.00			1.00		15.00	
	136.80	139.10	L/S	1	2.30			1.00		2.30	
	136.80	152.10	L/S	1	15.30			1.00		15.30	
	152.10	161.10	L/S	1	9.00			1.00		9.00	
	161.10	170.40	L/S	1	9.30			1.00		9.30	
	170.40	179.40	L/S	1	9.00			1.00		9.00	
	179.40	191.60	L/S	1	12.20			1.00		12.20	
	191.60	206.60	L/S	1	15.00			1.00		15.00	
	206.60	221.60	L/S	1	15.00			1.00		15.00	
	221.60	230.00	L/S	1	8.40			1.00		8.40	
	3rd cross										
	LHS										
	0.00	15.00	L/S	1	15.00			1.00		15.00	
	15.00	30.00	L/S	1	15.00			1.00		15.00	
	30.00	45.00	L/S	1	15.00			1.00		15.00	

Consultants

Contractor

Assistant Engineer 18.11.19

Assistant Executive Engineer

Scanned with CamScanner

Name of Work : - Improvement of Drains and Asphalting to Road at Bhuvaneshwarinagara Cross Roads in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
	45.00	60.00	L/S	1	15.00			1.00		15.00	
	60.00	75.00	L/S	1	15.00			1.00		15.00	
	75.00	90.00	L/S	1	15.00			1.00		15.00	
	90.00	105.00	L/S	1	15.00			1.00		15.00	
	105.00	120.00	L/S	1	15.00			1.00		15.00	
	120.00	135.00	L/S	1	15.00			1.00		15.00	
	135.00	150.00	L/S	1	15.00			1.00		15.00	
	150.00	165.00	L/S	1	15.00			1.00		15.00	
	165.00	180.00	L/S	1	15.00			1.00		15.00	
	180.00	195.00	L/S	1	15.00			1.00		15.00	
	195.00	210.00	L/S	1	15.00			1.00		15.00	
	210.00	225.00	L/S	1	15.00			1.00		15.00	
	225.00	230.00	L/S	1	5.00			1.00		5.00	
	RHS										
	0.00	15.00	R/S	1	15.00			1.00		15.00	
	15.00	30.00	R/S	1	15.00			1.00		15.00	
	30.00	45.00	R/S	1	15.00			1.00		15.00	
	45.00	60.00	R/S	1	15.00			1.00		15.00	
	60.00	75.00	R/S	1	15.00			1.00		15.00	
	75.00	90.00	R/S	1	15.00			1.00		15.00	
	90.00	105.00	R/S	1	15.00			1.00		15.00	
	105.00	120.00	R/S	1	15.00			1.00		15.00	
	120.00	135.00	R/S	1	15.00			1.00		15.00	
	135.00	150.00	R/S	1	15.00			1.00		15.00	
	150.00	165.00	R/S	1	15.00			1.00		15.00	
	165.00	180.00	R/S	1	15.00			1.00		15.00	
	180.00	195.00	R/S	1	15.00			1.00		15.00	
	195.00	210.00	R/S	1	15.00			1.00		15.00	
	210.00	219.80	R/S	1	9.80			1.00		9.80	
	Connecting Rd b/w 3rd 4th and 5th Cross rd										
	RHS										
	0.00	15.00	R/S	1	15.00			1.00		15.00	
	15.00	30.00	R/S	1	15.00			1.00		15.00	
	30.00	45.00	R/S	1	15.00			1.00		15.00	
	45.00	50.20	R/S	1	5.20			1.00		5.20	
	50.20	65.20	R/S	1	15.00			1.00		15.00	
	65.20	72.50	R/S	1	7.30			1.00		7.30	
	15th cross Rd										
	LHS										

Consultants

Contractor

Assistant Engineer 18.11.19

Assistant Executive Engineer

Scanned with CamScanner

Name of Work : - Improvement of Drains and Asphalting to Road at Bhuvaneshwarinagara Cross Roads in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
	Chainage										
	0.00	15.00	L/S	1	15.00			1.00		15.00	
	15.00	30.00	L/S	1	15.00			1.00		15.00	
	30.00	45.00	L/S	1	15.00			1.00		15.00	
	45.00	60.00	L/S	1	15.00			1.00		15.00	
	60.00	75.00	L/S	1	15.00			1.00		15.00	
	75.00	90.00	L/S	1	15.00			1.00		15.00	
	90.00	105.00	L/S	1	15.00			1.00		15.00	
	105.00	120.00	L/S	1	15.00			1.00		15.00	
	120.00	135.00	L/S	1	15.00			1.00		15.00	
	135.00	136.40	L/S	1	1.40			1.00		1.40	
	136.40	141.50	L/S	1	5.10			1.00		5.10	
	141.50	156.50	L/S	1	15.00			1.00		15.00	
	156.50	171.50	L/S	1	15.00			1.00		15.00	
	171.50	186.50	L/S	1	15.00			1.00		15.00	
	186.50	201.50	L/S	1	15.00			1.00		15.00	
	201.50	216.50	L/S	1	15.00			1.00		15.00	
	216.50	231.50	L/S	1	15.00			1.00		15.00	
	231.50	246.50	L/S	1	15.00			1.00		15.00	
	246.50	261.50	L/S	1	15.00			1.00		15.00	
	261.50	276.50	L/S	1	15.00			1.00		15.00	
	276.50	282.30	L/S	1	5.80			1.00		5.80	
	RHS										
	0.00	15.00	R/S	1	15.00			1.00		15.00	
	15.00	30.00	R/S	1	15.00			1.00		15.00	
	30.00	45.00	R/S	1	15.00			1.00		15.00	
	45.00	60.00	R/S	1	15.00			1.00		15.00	
	60.00	75.00	R/S	1	15.00			1.00		15.00	
	75.00	90.00	R/S	1	15.00			1.00		15.00	
	90.00	105.00	R/S	1	15.00			1.00		15.00	
	105.00	120.00	R/S	1	15.00			1.00		15.00	
	120.00	135.00	R/S	1	15.00			1.00		15.00	
	135.00	136.40	R/S	1	1.40			1.00		1.40	
	136.40	141.50	R/S	1	5.10			1.00		5.10	
	141.50	156.50	R/S	1	15.00			1.00		15.00	
	156.50	171.50	R/S	1	15.00			1.00		15.00	
	171.50	186.50	R/S	1	15.00			1.00		15.00	
	186.50	201.50	R/S	1	15.00			1.00		15.00	
	201.50	216.50	R/S	1	15.00			1.00		15.00	
	216.50	231.50	R/S	1	15.00			1.00		15.00	
	231.50	246.50	R/S	1	15.00			1.00		15.00	
	246.50	261.50	R/S	1	15.00			1.00		15.00	
	261.50	276.50	R/S	1	15.00			1.00		15.00	

Consultants

Contractor

18.11.19
Assistant Engineer

Assistant Executive Engineer

Scanned with CamScanner

Name of Work : - Improvement of Drains and Asphalting to Road at Bhuvaneshwarinagara Cross Roads in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
	Chainage										
	276.50	282.30	R/S	1	5.80			1.00		5.80	
	Connecting Rd b/w 3rd 4th and 5th Cross rd										
	LHS										
	0.00	15.00		1	15.00			1.00		15.00	
	15.00	30.00		1	15.00			1.00		15.00	
	30.00	34.00		1	4.00			1.00		4.00	
	34.00	36.20		0	2.20			1.00		0.00	no work
	36.20	47.80		0	11.60			1.00		0.00	Culvert
	47.80	62.80		1	15.00			1.00		15.00	
	62.80	69.30		1	6.50			1.00		6.50	
								Total Quantity		2241.80	Sqm

Consultants

Contractor

18.11.19

Assistant Engineer

Assistant Executive Engineer

Scanned with CamScanner

Name of Work : - Improvement of Drains and Asphalting to Road at Bhuvaneshwarinagara Cross Roads in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
3	KSRRB M300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neately dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH / Chapter 3 (P.No.142, I.No.19.1 of PW, P&IWTD SR 2016-17)										
	Desilt										
	4th cross										
	Subramanya swamy temple road										
	LHS										
	0.00	14.70	L/S	1	14.70			0.60	0.50	4.41	
	14.70	23.30	L/S	1	8.60			0.60	0.50	2.58	
	23.30	29.80	L/S	1	6.50			0.60	0.50	1.95	
	29.80	45.80	L/S	1	16.00			0.60	0.50	4.80	
	45.80	54.20	L/S	1	8.40			0.60	0.50	2.52	
	54.20	64.00	L/S	1	9.80			0.60	0.50	2.94	
	64.00	72.00	L/S	1	8.00			0.60	0.50	2.40	
	72.00	90.00	L/S	1	18.00			0.60	0.50	5.40	
	90.00	105.00	L/S	1	15.00			0.60	0.50	4.50	
	105.00	120.00	L/S	1	15.00			0.60	0.50	4.50	
	120.00	128.00	L/S	1	8.00			0.60	0.50	2.40	
	128.00	137.00	L/S	1	9.00			0.60	0.50	2.70	
	137.00	146.40	L/S	1	9.40			0.60	0.50	2.82	
	146.40	165.00	L/S	1	18.60			0.60	0.50	5.58	
	165.00	174.00	L/S	1	9.00			0.60	0.50	2.70	
	174.00	190.00	L/S	1	16.00			0.60	0.50	4.80	
	190.00	205.00	L/S	1	15.00			0.60	0.50	4.50	
	205.00	220.00	L/S	1	15.00			0.00	0.00	0.00	
	220.00	235.00	L/S	1	15.00			0.60	0.40	3.60	
	235.00	250.00	L/S	1	15.00			0.60	0.40	3.60	
	250.00	265.80	L/S	1	15.80			0.60	0.40	3.79	
	RHS										
	0.00	4.90	R/S	0	4.90			0.60	0.50	0.00	No Drain
	4.90	14.90	R/S	1	10.00			0.60	0.50	3.00	
	14.90	16.60	R/S	1	1.70			0.60	0.50	0.51	
	16.60	17.80	R/S	1	1.20			0.60	0.50	0.36	
	17.80	21.10	R/S	1	3.30			0.60	0.50	0.99	
	21.10	33.10	R/S	1	12.00			0.60	0.50	3.60	
	33.10	38.00	R/S	1	4.90			0.60	0.50	1.47	
	38.00	45.80	R/S	1	7.80			0.60	0.50	2.34	
	45.80	62.50	R/S	1	16.70			0.60	0.50	5.01	

Contractor

Assistant Engineer 22-11-19

Assistant Executive Engineer

Scanned with CamScanner

Name of Work : - Improvement of Drains and Asphalting to Road at Bhuvaneshwarinagara Cross Roads in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
	62.50	72.00	R/S	1	9.50			0.60	0.50	2.85	
	72.00	100.00	R/S	1	28.00			0.60	0.50	8.40	
	100.00	128.00	R/S	1	28.00			0.60	0.50	8.40	
	128.00	137.00	R/S	1	9.00			0.60	0.50	2.70	
	137.00	146.20	R/S	1	9.20			0.60	0.50	2.76	
	146.20	155.50	R/S	1	9.30			0.60	0.50	2.79	
	155.50	170.00	R/S	1	14.50			0.60	0.50	4.35	
	170.00	185.00	R/S	1	15.00			0.60	0.50	4.50	
	185.00	200.00	R/S	1	15.00			0.60	0.50	4.50	
	200.00	211.70	R/S	1	11.70			0.60	0.50	3.51	
	211.70	225.30	R/S	1	13.60			0.60	0.50	4.08	
	225.30	240.30	R/S	1	15.00			0.60	0.50	4.50	
	240.30	254.20	R/S	1	13.90			0.60	0.50	4.17	
	254.20	269.20	R/S	1	15.00			0.60	0.50	4.50	
	269.20	284.20	R/S	1	15.00			0.60	0.50	4.50	
	284.20	299.20	R/S	1	15.00			0.60	0.50	4.50	
	299.20	314.70	R/S	1	15.50			0.60	0.50	4.65	
	Pragathi layout										
	14th cross										
	LHS										
	0.00	15.00	L/S	0	15.00			0.60	0.50	0.00	No work
	15.00	27.00	L/S	1	12.00			0.60	0.50	3.60	
	27.00	28.50	L/S	1	1.50			0.60	0.50	0.45	
	28.50	33.10	L/S	0	4.60			0.60	0.50	0.00	c/s road
	59.80	62.50	L/S	0	2.70			0.60	0.50	0.00	c/s road
	64.30	79.30	L/S	1	15.00			0.60	0.50	4.50	
	79.30	88.10	L/S	1	8.80			0.60	0.50	2.64	
	RHS										
	0.00	64.30	R/S	0	64.30			0.60	0.50	0.00	No work
	64.30	75.00	R/S	1	10.70			0.60	0.50	3.21	
	75.00	80.00	R/S	1	5.00			0.60	0.50	1.50	
	80.00	88.10	R/S	1	8.10			0.60	0.50	2.43	
	16th cross road										
	LHS										
	0.00	15.00	L/S	1	15.00			0.60	0.40	3.60	
	15.00	30.00	L/S	1	15.00			0.60	0.40	3.60	
	30.00	40.00	L/S	1	10.00			0.60	0.40	2.40	
	40.00	55.00	L/S	1	15.00			0.60	0.40	3.60	
	55.00	70.00	L/S	1	15.00			0.60	0.40	3.60	
	70.00	85.00	L/S	1	15.00			0.60	0.40	3.60	
	85.00	96.60	L/S	1	11.60			0.60	0.40	2.78	

Contractor

Assistant Engineer

Assistant Executive Engineer

Scanned with CamScanner

Name of Work : - Improvement of Drains and Asphalting to Road at Bhuvaneshwarinagara Cross Roads in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
	96.60	110.80	L/S	1	14.20			0.60	0.40	3.41	
	110.80	114.00	L/S	1	3.20			0.60	0.40	0.77	
	114.00	123.60	L/S	1	9.60			0.60	0.40	2.30	
	123.60	138.60	L/S	1	15.00			0.60	0.40	3.60	
	138.60	141.60	L/S	1	3.00			0.60	0.40	0.72	
	141.60	147.80	L/S	1	6.20			0.60	0.40	1.49	
	147.80	160.00	L/S	1	12.20			0.60	0.40	2.93	
	160.00	175.00	L/S	1	15.00			0.60	0.40	3.60	
	175.00	190.00	L/S	1	15.00			0.60	0.40	3.60	
	190.00	202.40	L/S	1	12.40			0.60	0.40	2.98	
	202.40	206.20	L/S	1	3.80			0.60	0.40	0.91	
	206.20	220.00	L/S	1	13.80			0.60	0.40	3.31	
	220.00	230.40	L/S	1	10.40			0.60	0.40	2.50	
	RHS										
	0.00	15.00	R/S	1	15.00			0.60	0.40	3.60	
	15.00	30.00	R/S	1	15.00			0.60	0.40	3.60	
	30.00	40.00	R/S	1	10.00			0.60	0.40	2.40	
	40.00	55.00	R/S	1	15.00			0.60	0.40	3.60	
	55.00	70.00	R/S	1	15.00			0.60	0.40	3.60	
	70.00	85.00	R/S	1	15.00			0.60	0.40	3.60	
	85.00	96.60	R/S	1	11.60			0.60	0.40	2.78	
	96.60	111.60	R/S	1	15.00			0.60	0.40	3.60	
	111.60	118.20	R/S	1	6.60			0.60	0.40	1.58	
	118.20	121.80	R/S	1	3.60			0.60	0.40	0.86	
	121.80	136.80	R/S	1	15.00			0.60	0.40	3.60	
	136.80	139.10	R/S	1	2.30			0.60	0.40	0.55	
	136.80	152.10	R/S	1	15.30			0.60	0.40	3.67	
	152.10	161.10	R/S	1	9.00			0.60	0.40	2.16	
	161.10	170.40	R/S	1	9.30			0.60	0.40	2.23	
	170.40	179.40	R/S	1	9.00			0.60	0.40	2.16	
	179.40	191.60	R/S	1	12.20			0.60	0.40	2.93	
	191.60	206.60	R/S	1	15.00			0.60	0.40	3.60	
	206.60	221.60	R/S	1	15.00			0.60	0.40	3.60	
	221.60	230.00	R/S	1	8.40			0.60	0.40	2.02	
	3rd cross										
	LHS										
	0.00	15.00	L/S	1	15.00			0.60	0.50	4.50	
	15.00	30.00	L/S	1	15.00			0.60	0.50	4.50	
	30.00	45.00	L/S	1	15.00			0.60	0.50	4.50	
	45.00	60.00	L/S	1	15.00			0.60	0.50	4.50	
	60.00	75.00	L/S	1	15.00			0.60	0.50	4.50	

Consultants

Contractor

Assistant Engineer

Assistant Executive Engineer

Scanned with CamScanner

Name of Work :- Improvement of Drains and Asphalting to Road at Bhuvaneshwarinagara Cross Roads in Ward No.06(Thanisandra), Byatarayanapura Sub Division

SOR Item No	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
	75.00	90.00	L/S	1	15.00			0.60	0.50	4.50	
	90.00	105.00	L/S	1	15.00			0.60	0.50	4.50	
	105.00	120.00	L/S	1	15.00			0.60	0.50	4.50	
	120.00	135.00	L/S	1	15.00			0.60	0.50	4.50	
	135.00	150.00	L/S	1	15.00			0.60	0.50	4.50	
	150.00	165.00	L/S	1	15.00			0.60	0.50	4.50	
	165.00	180.00	L/S	1	15.00			0.60	0.50	4.50	
	180.00	195.00	L/S	1	15.00			0.60	0.50	4.50	
	195.00	210.00	L/S	1	15.00			0.60	0.50	4.50	
	210.00	225.00	L/S	1	15.00			0.60	0.50	4.50	
	225.00	230.00	L/S	1	5.00			0.60	0.50	1.50	
	RHS										
	0.00	15.00	R/S	1	15.00			0.60	0.50	4.50	
	15.00	30.00	R/S	1	15.00			0.60	0.50	4.50	
	30.00	45.00	R/S	1	15.00			0.60	0.50	4.50	
	45.00	60.00	R/S	1	15.00			0.60	0.50	4.50	
	60.00	75.00	R/S	1	15.00			0.60	0.50	4.50	
	75.00	90.00	R/S	1	15.00			0.60	0.50	4.50	
	90.00	105.00	R/S	1	15.00			0.60	0.50	4.50	
	105.00	120.00	R/S	1	15.00			0.60	0.50	4.50	
	120.00	135.00	R/S	1	15.00			0.60	0.50	4.50	
	135.00	150.00	R/S	1	15.00			0.60	0.50	4.50	
	150.00	165.00	R/S	1	15.00			0.60	0.50	4.50	
	165.00	180.00	R/S	1	15.00			0.60	0.50	4.50	
	180.00	195.00	R/S	1	15.00			0.60	0.50	4.50	
	195.00	210.00	R/S	1	15.00			0.60	0.50	4.50	
	210.00	219.80	R/S	1	9.80			0.60	0.50	2.94	
	Connecting Rd b/w 3rd 4th and 5th Cross rd										
	RHS										
	0.00	15.00	R/S	1	15.00			0.60	0.50	4.50	
	15.00	30.00	R/S	1	15.00			0.60	0.50	4.50	
	30.00	45.00	R/S	1	15.00			0.60	0.50	4.50	
	45.00	50.20	R/S	1	5.20			0.60	0.70	2.18	
	50.20	65.20	R/S	1	15.00			0.60	0.50	4.50	
	65.20	72.50	R/S	1	7.30			0.60	0.50	2.19	
	15th cross Rd										
	LHS										
	0.00	15.00	L/S	1	15.00			0.60	0.40	3.60	
	15.00	30.00	L/S	1	15.00			0.60	0.40	3.60	

Contractor

Assistant Engineer

Assistant Executive Engineer

Scanned with CamScanner

Name of Work : - Improvement of Drains and Asphalting to Road at Bhuvaneshwarinagara Cross Roads in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
	30.00	45.00	L/S	1	15.00			0.60	0.40	3.60	
	45.00	60.00	L/S	1	15.00			0.60	0.40	3.60	
	60.00	75.00	L/S	1	15.00			0.60	0.40	3.60	
	75.00	90.00	L/S	1	15.00			0.60	0.40	3.60	
	90.00	105.00	L/S	1	15.00			0.60	0.40	3.60	
	105.00	120.00	L/S	1	15.00			0.60	0.40	3.60	
	120.00	135.00	L/S	1	15.00			0.60	0.40	3.60	
	135.00	136.40	L/S	1	1.40			0.60	0.40	0.34	
	136.40	141.50	L/S	1	5.10			0.60	0.40	1.22	
	141.50	156.50	L/S	1	15.00			0.60	0.40	3.60	
	156.50	171.50	L/S	1	15.00			0.60	0.40	3.60	
	171.50	186.50	L/S	1	15.00			0.60	0.40	3.60	
	186.50	201.50	L/S	1	15.00			0.60	0.40	3.60	
	201.50	216.50	L/S	1	15.00			0.60	0.40	3.60	
	216.50	231.50	L/S	1	15.00			0.60	0.40	3.60	
	231.50	246.50	L/S	1	15.00			0.60	0.40	3.60	
	246.50	261.50	L/S	1	15.00			0.60	0.40	3.60	
	261.50	276.50	L/S	1	15.00			0.60	0.40	3.60	
	276.50	282.30	L/S	1	5.80			0.60	0.40	1.39	
	RHS										
	0.00	15.00	R/S	1	15.00			0.60	0.40	3.60	
	15.00	30.00	R/S	1	15.00			0.60	0.40	3.60	
	30.00	45.00	R/S	1	15.00			0.60	0.40	3.60	
	45.00	60.00	R/S	1	15.00			0.60	0.40	3.60	
	60.00	75.00	R/S	1	15.00			0.60	0.40	3.60	
	75.00	90.00	R/S	1	15.00			0.60	0.40	3.60	
	90.00	105.00	R/S	1	15.00			0.60	0.40	3.60	
	105.00	120.00	R/S	1	15.00			0.60	0.40	3.60	
	120.00	135.00	R/S	1	15.00			0.60	0.40	3.60	
	135.00	136.40	R/S	1	1.40			0.60	0.40	0.34	
	136.40	141.50	R/S	1	5.10			0.60	0.40	1.22	
	141.50	156.50	R/S	1	15.00			0.60	0.40	3.60	
	156.50	171.50	R/S	1	15.00			0.60	0.40	3.60	
	171.50	186.50	R/S	1	15.00			0.60	0.40	3.60	
	186.50	201.50	R/S	1	15.00			0.60	0.40	3.60	
	201.50	216.50	R/S	1	15.00			0.60	0.40	3.60	
	216.50	231.50	R/S	1	15.00			0.60	0.40	3.60	
	231.50	246.50	R/S	1	15.00			0.60	0.40	3.60	
	246.50	261.50	R/S	1	15.00			0.60	0.40	3.60	
	261.50	276.50	R/S	1	15.00			0.60	0.40	3.60	
	276.50	282.30	R/S	1	5.80			0.60	0.40	1.39	

Contractor

Assistant Engineer

Assistant Executive Engineer

Scanned with CamScanner

Detailed Measurements

Name of Work : - Improvement of Drains and Asphalting to Road at Bhuvaneshwarinagara Cross Roads in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
	Chainage										
	New Drain										
	3rd cross										
	LHS										
	219.80	234.80	R/S	1	15.00			0.75	0.60	6.75	
	Connecting Rd b/w 3rd 4th and 5th Cross rd										
	LHS										
	0.00	15.00	L/S	1	15.00			0.75	0.60	6.75	
	15.00	30.00	L/S	1	15.00			0.75	0.60	6.75	
	30.00	34.00	L/S	1	4.00			0.75	0.60	1.80	
	34.00	36.20	L/S	0	2.20			0.75	0.60	0.00	no work
	36.20	47.80	L/S	0	11.60			0.75	0.60	0.00	Culvert
	47.80	62.80	L/S	1	15.00			0.75	0.60	6.75	
	62.80	69.30	L/S	1	6.50			0.75	0.60	2.93	
	New Culverts										
	Connecting Rd b/w 3rd 4th and 5th c/s rd										
	LHS										
	36.20	47.80	L/S	1	11.60			2.00	1.10	25.52	
	16th Cross										
				1	7.00			2.00	1.10	15.40	
				1	7.00			2.00	1.10	15.40	
								Total Quantity		675.67	cum

Consultants

Contractors

Assistant Engineer

Assistant Executive Engineer

Scanned with CamScanner

Detailed Measurements

Name of Work : - Improvement of Drains and Asphalting to Road at Bhuvaneshwarinagara Cross Roads in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
	Chainage										
10	Removing and refixing stone slabs of drains and pointing in CM (1:3) (P.No.25, I.No.5.33 of PW, P&IWTD SR 2016-17)										
	B S Drain										
	4th cross										
	Subramanya swamy temple road										
	LHS										
	0.00	14.70	L/S	1	14.70			1.80		26.46	
	23.30	29.80	L/S	1	6.50			1.80		11.70	
	45.80	54.20	L/S	1	8.40			1.80		15.12	
	120.00	128.00	L/S	1	8.00			1.80		14.40	
	137.00	146.40	L/S	1	9.40			1.80		16.92	
	165.00	174.00	L/S	1	9.00			1.80		16.20	
	RHS										
	4.90	14.90	R/S	1	10.00			1.80		18.00	
	16.60	17.80	R/S	1	1.20			1.80		2.16	
	21.10	33.10	R/S	1	12.00			1.80		21.60	
	137.00	146.20	R/S	1	9.20			1.80		16.56	
	240.30	254.20	R/S	1	13.90			1.80		25.02	
	Pragathi layout										
	14th cross										
	LHS										
	64.30	75.00	R/S	1	10.70			1.80		19.26	
	16th cross road										
	LHS										
	40.00	55.00	L/S	1	15.00			1.80		27.00	
	55.00	70.00	L/S	1	15.00			1.80		27.00	
	70.00	85.00	L/S	1	15.00			1.80		27.00	
	114.00	123.60	L/S	1	9.60			1.80		17.28	
	141.60	147.80	L/S	1	6.20			1.80		11.16	
	202.40	206.20	L/S	1	3.80			1.80		6.84	
	RHS										
	40.00	55.00	L/S	1	15.00			1.80		27.00	
	85.00	96.60	L/S	1	11.60			1.80		20.88	
	96.60	111.60	L/S	1	15.00			1.80		27.00	
	111.60	118.20	L/S	1	6.60			1.80		11.88	
	121.80	136.80	L/S	1	15.00			1.80		27.00	
	170.40	179.40	L/S	1	9.00			1.80		16.20	
	3rd cross										

Consultants

Contractor

Assistant Engineer

Assistant Executive Engineer

Scanned with CamScanner

Detailed Measurements

Name of Work : - Improvement of Drains and Asphalting to Road at Bhuvaneshwarinagara Cross Roads in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
	LHS										
	45.00	60.00	L/S	1	15.00			1.80		27.00	
	60.00	75.00	L/S	1	15.00			1.80		27.00	
	105.00	120.00	L/S	1	15.00			1.80		27.00	
	150.00	165.00	L/S	1	15.00			1.80		27.00	
	165.00	180.00	L/S	1	15.00			1.80		27.00	
	180.00	195.00	L/S	1	15.00			1.80		27.00	
	225.00	230.00	L/S	1	5.00			1.80		9.00	
	RHS										
	45.00	60.00	R/S	1	15.00			1.80		27.00	
	105.00	120.00	R/S	1	15.00			1.80		27.00	
	120.00	135.00	R/S	1	15.00			1.80		27.00	
	135.00	150.00	R/S	1	15.00			1.80		27.00	
	150.00	165.00	R/S	1	15.00			1.80		27.00	
	180.00	195.00	R/S	1	15.00			1.80		27.00	
	Connecting Rd b/w 3rd 4th and 5th Cross rd										
	RHS										
	0.00	15.00	R/S	1	15.00			1.80		27.00	
	15.00	30.00	R/S	1	15.00			1.80		27.00	
	30.00	45.00	R/S	1	15.00			1.80		27.00	
	50.20	65.20	R/S	1	15.00			1.80		27.00	
	65.20	72.50	R/S	1	7.30			1.80		13.14	
	15th cross Rd										
	LHS										
	0.00	15.00	L/S	1	15.00			1.80		27.00	
	105.00	120.00	L/S	1	15.00			1.80		27.00	
	120.00	135.00	L/S	1	15.00			1.80		27.00	
	156.50	171.50	L/S	1	15.00			1.80		27.00	
	171.50	186.50	L/S	1	15.00			1.80		27.00	
	186.50	201.50	L/S	1	15.00			1.80		27.00	
	201.50	216.50	L/S	1	15.00			1.80		27.00	
	261.50	276.50	L/S	1	15.00			1.80		27.00	
	276.50	282.30	L/S	1	5.80			1.80		10.44	
	RHS										
	0.00	15.00	R/S	1	15.00			1.80		27.00	
	156.50	171.50	R/S	1	15.00			1.80		27.00	
	171.50	186.50	R/S	1	15.00			1.80		27.00	
	186.50	201.50	R/S	1	10.00			1.80		18.00	
	201.50	216.50	R/S	1	12.00			1.80		21.60	

Consultants Contractor Assistant Engineer Assistant Executive Engineer

Scanned with CamScanner

Name of Work : - Improvement of Drains and Asphalting to Road at Bhuvaneshwarinagara Cross Roads in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
	Chainage										
	261.50	276.50	R/S	1	7.00			1.80		12.60	
	276.50	282.30	R/S	1	5.80			1.80		10.44	
	B S Cover										
	4th cross										
	Subramanya swamy temple road										
	LHS										
	14.70	23.30	L/S	1	8.60			1.20		10.32	
	29.80	45.80	L/S	1	16.00			1.20		19.20	
	54.20	64.00	L/S	1	9.80			1.20		11.76	
	72.00	90.00	L/S	1	18.00			1.20		21.60	
	90.00	105.00	L/S	1	15.00			1.20		18.00	
	105.00	120.00	L/S	1	15.00			1.20		18.00	
	128.00	137.00	L/S	1	9.00			1.20		10.80	
	146.40	165.00	L/S	1	18.60			1.20		22.32	
	174.00	190.00	L/S	1	16.00			1.20		19.20	
	190.00	205.00	L/S	1	15.00			1.20		18.00	
	220.00	235.00	L/S	1	15.00			1.20		18.00	
	235.00	250.00	L/S	1	15.00			1.20		18.00	
	250.00	265.80	L/S	1	15.80			1.20		18.96	
	RHS										
	4.90	14.90	R/S	1	10.00			1.20		12.00	
	16.60	17.80	R/S	1	1.20			1.20		1.44	
	21.10	33.10	R/S	1	12.00			1.20		14.40	
	38.00	45.80	R/S	1	7.80			1.20		9.36	
	62.50	72.00	R/S	1	9.50			1.20		11.40	
	72.00	100.00	R/S	1	28.00			1.20		33.60	
	100.00	128.00	R/S	1	28.00			1.20		33.60	
	137.00	146.20	R/S	1	9.20			1.20		11.04	
	155.50	170.00	R/S	1	14.50			1.20		17.40	
	170.00	185.00	R/S	1	15.00			1.20		18.00	
	185.00	200.00	R/S	1	15.00			1.20		18.00	
	200.00	211.70	R/S	1	11.70			1.20		14.04	
	225.30	240.30	R/S	1	15.00			1.20		18.00	
	240.30	254.20	R/S	1	13.90			1.20		16.68	
	Pragathi layout										
	14th cross										
	LHS										
	64.30	79.30	L/S	1	15.00			1.20		18.00	
	79.30	88.10	L/S	1	8.80			1.20		10.56	

Consultants | Contractor | Assistant Engineer | Assistar...

Scanned with CamScanner

Name of Work : - Improvement of Drains and Asphalting to Road at Bhuvaneshwarinagara Cross Roads in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
	Chainage										
	RHS										
	75.00	80.00	R/S	1	5.00			1.20		6.00	
	80.00	88.10	R/S	1	8.10			1.20		9.72	
	16th cross road										
	LHS										
	0.00	15.00	L/S	1	15.00			1.20		18.00	
	15.00	30.00	L/S	1	15.00			1.20		18.00	
	30.00	40.00	L/S	1	10.00			1.20		12.00	
	110.80	114.00	L/S	1	3.20			1.20		3.84	
	123.60	138.60	L/S	1	15.00			1.20		18.00	
	138.60	141.60	L/S	1	3.00			1.20		3.60	
	147.80	160.00	L/S	1	12.20			1.20		14.64	
	160.00	175.00	L/S	1	15.00			1.20		18.00	
	175.00	190.00	L/S	1	15.00			1.20		18.00	
	190.00	202.40	L/S	1	12.40			1.20		14.88	
	RHS										
	0.00	15.00	L/S	1	15.00			1.20		18.00	
	15.00	30.00	L/S	1	15.00			1.20		18.00	
	30.00	40.00	L/S	1	10.00			1.20		12.00	
	118.20	121.80	L/S	1	3.60			1.20		4.32	
	136.80	152.10	L/S	1	15.30			1.20		18.36	
	191.60	206.60	L/S	1	15.00			1.20		18.00	
	206.60	221.60	L/S	1	15.00			1.20		18.00	
	221.60	230.00	L/S	1	8.40			1.20		10.08	
								Total Quantity		**2,026.98**	**Sqm**

Consultants

Contractor

Assistant Engineer 25.11.19

Assistant Executive Engineer

Scanned with CamScanner

Detailed Measurements

Name of Work : - Improvement of Drains and Asphalting to Road at Bhuvaneshwarinagara Cross Roads in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
11	Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortor (1:6) including fixing curing etc,. Complete. 7.5cms thick (P.No.25, I.No.5.31.1 of PW, P&IWTD SR 2016-17)										
	4th cross										
	Subramanya swamy temple road										
	LHS										
	14.70	23.30	L/S	1	8.60			1.80		15.48	
	174.00	190.00	L/S	1	16.00			1.80		28.80	
	250.00	265.80	L/S	1	15.80			1.80		28.44	
	RHS										
	33.10	38.00	R/S	1	4.90			1.80		8.82	
	38.00	45.80	R/S	1	7.80			1.80		14.04	
	185.00	200.00	R/S	1	15.00			1.80		27.00	
	Pragathi layout										
	14th cross										
	LHS										
	15.00	27.00	L/S	1	12.00			1.80		21.60	
	27.00	28.50	L/S	1	1.50			1.80		2.70	
	RHS										
	64.30	75.00	R/S	1	10.70			1.80		19.26	
	75.00	80.00	R/S	1	5.00			1.80		9.00	
	80.00	88.10	R/S	1	8.10			1.80		14.58	
	16th cross road										
	LHS										
	147.80	160.00	L/S	1	12.20			1.80		21.96	
	160.00	175.00	L/S	1	15.00			1.80		27.00	
	175.00	190.00	L/S	1	15.00			1.80		27.00	
	220.00	230.40	L/S	1	10.40			1.80		18.72	
	RHS										
	161.10	170.40	L/S	1	9.30			1.80		16.74	
	206.60	221.60	L/S	1	15.00			1.80		27.00	
	221.60	230.00	L/S	1	8.40			1.80		15.12	
	3rd cross										
	LHS										
	30.00	45.00	L/S	1	15.00			1.80		27.00	
	210.00	225.00	L/S	1	15.00			1.80		27.00	
	RHS										

Consultants

Contractor

Assistant Engineer 25-11-20

Assistant Executive Engineer

Scanned with CamScanner

Detailed Measurements

Name of Work : - Improvement of Drains and Asphalting to Road at Bhuvaneshwarinagara Cross Roads in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
	Chainage										
	0.00	15.00	R/S	1	15.00			1.80		27.00	
	195.00	210.00	R/S	1	15.00			1.80		27.00	
	210.00	219.80	R/S	1	9.80			1.80		17.64	
	15th cross Rd										
	LHS										
	15.00	30.00	L/S	1	15.00			1.80		27.00	
	135.00	136.40	L/S	1	1.40			1.80		2.52	
	246.50	261.50	L/S	1	15.00			1.80		27.00	
	RHS										
	45.00	60.00	R/S	1	15.00			1.80		27.00	
	60.00	75.00	R/S	1	15.00			1.80		27.00	
	246.50	261.50	R/S	1	11.00			1.80		19.80	
								Total Quantity		**599.22**	**Sqm**

25.11.19

Consultants

Contractor

Assistant Engineer 25.11.19

Assistant Executive Engineer

Scanned with CamScanner

Name of Work : - Improvement of Drains and Asphalting to Road at Bhuvaneshwarinagara Cross Roads in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
12	Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortor (1:6) including fixing curing etc,. Complete. 10cms thick (P.No.25, I.No.5.31.2 of PW, P&IWTD SR 2016-17)										
	For BS Slab Drain										
	15th cross Rd										
	LHS										
	171.50	186.50	L/S	1	10.00			1.20		12.00	
	186.50	201.50	L/S	1	8.00			1.20		9.60	
	RHS										
	171.50	186.50	R/S	1	11.00			1.20		13.20	
	261.50	276.50	R/S	1	7.00			1.20		8.40	
	16th cross road										
	LHS										
	206.20	220.00	L/S	1	13.80	-	-	1.20		16.56	
	RHS										
	161.10	170.40	L/S	1	9.30	-	-	1.20		11.16	
	179.40	191.60	L/S	1	12.20	-	-	1.20		14.64	
								Total Quantity		**85.56**	**Sqm**

Consultants

Contractor

Assistant Engineer 28.11.19

Assistant Executive Engineer

Scanned with CamScanner

Name of Work : - Improvement of Drains and Asphalting to Road at Bhuvaneshwarinagara Cross Roads in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
13	KSRB 5.2-3: Providing and constructing granite size stone masonry in foundation cement mortor 1:6, stone hammered dressed in courses not less than 20cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. Specification No. KBS 5.1.13.(using available stones) (P.No.23, I.No.5.6 of PW, P&IWTD										
	New Culverts										
	Connecting Rd b/w 3rd 4th and 5th c/s rd										
	36.20	47.80		2	11.60			0.60	0.90	12.528	
	16th Cross										
				2	7.00			0.60	0.90	7.56	
				2	7.00			0.60	0.90	7.56	
								Total Quantity		27.65	**Cum**

Contractor

Assistant Engineer 28.11.19

Assistant Executive Engineer

Scanned with CamScanner

Name of Work : - **Improvement of Drains and Asphalting to Road at Bhuvaneshwarinagara Cross Roads in Ward No.06(Thanisandra), Byatarayanapura Sub Division**

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
14	KSRB 15.1.1 Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. (P.No.113, I.No.15.1 of PW										
	New Culverts										
	Connecting Rd b/w 3rd 4th and 5th c/s rd										
	36.20	47.80		2	11.60				0.90	20.88	
	16th Cros	0.00									
				2	7.00				0.90	12.6	
				2	7.00				0.90	12.6	
								Total Quantity		46.08	Sqm

Scanned with CamScanner

Name of Work : - Improvement of Drains and Asphalting to Road at Bhuvaneshwarinagara Cross Roads in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
15	KSRB 4-1.6: Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No.4.6 of PW,P&IWTD S.R 2016-17)									
	Coping concrete									
	New Culverts									
	Connecting Rd b/w 3rd 4th and 5th c/s rd									
	Raft Concrete									
	36.20 47.80		1	11.60			0.60	0.15	1.04	
	Coping Concrete									
	36.20 47.80		2	11.60			0.60	0.10	1.39	
	16th Cross									
	Raft Concrete									
			1	7.00			0.60	0.15	1.05	
	Coping Concrete									
			2	7.00			0.60	0.10	1.40	
	Raft Concrete									
			1	7.00			0.60	0.15	1.05	
	Coping Concrete									
			2	7.10			0.60	0.10	1.42	
							Total Quantity		**7.36**	**Cum**

Consultants

Contractor

Assistant Engineer

Assistant

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Name of Work : - Improvement of Drains and Asphalting to Road at Bhuvaneshwarinagara Cross Roads in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
23	Providing and fixing RCC Precast cover slab of 250mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing										
	New Culverts										
	Connecting Rd b/w 3rd 4th and 5th c/s rd										
	36.20	47.80		1	11.60			1.80		20.88	
	16th Cross										
				1	7.00			1.80		12.6	
				1	7.00			1.80		12.6	
								Total Quantity		**46.08**	**Sqm**

Consultants

Contractors

Assistant Engineer

Assistant Engineer

Scanned with CamScanner

Detailed Measurements

Name of Work : - Improvement of Drains and Asphalting to Road at Bhuvaneshwarinagara Cross Roads in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
	Chainage										
26	KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to embankment location and complete as per specifications. MORTH Specification No.301										
	4th cross										
	Subramanya swamy temple road										
	0.00	15.00		1	15.00	5.60	5.50	5.55	0.23	19.15	
	15.00	30.00		1	15.00	5.50	4.30	4.90	0.23	16.91	
	30.00	45.00		1	15.00	4.30	5.50	4.90	0.23	16.91	
	45.00	60.00		1	15.00	5.50	5.80	5.65	0.23	19.49	
	60.00	75.00		1	15.00	5.80	5.40	5.60	0.23	19.32	
	75.00	90.00		1	15.00	5.40	4.90	5.15	0.23	17.77	
	90.00	105.00		1	15.00	4.90	6.45	5.68	0.23	19.58	
	105.00	120.00		1	15.00	6.45	5.90	6.18	0.23	21.30	
	120.00	135.00		1	15.00	5.90	5.90	5.90	0.23	20.36	
	135.00	150.00		1	15.00	5.90	5.55	5.73	0.23	19.75	
	150.00	165.00		1	15.00	5.55	5.75	5.65	0.23	19.49	
	165.00	180.00		1	15.00	5.75	4.50	5.13	0.23	17.68	
	180.00	195.00		1	15.00	4.50	3.90	4.20	0.23	14.49	
	195.00	211.70		1	16.70	3.90	5.20	4.55	0.23	17.48	
	Bad reaches										
				1	8.00			3.50	0.23	6.44	
				3	4.47			2.24	0.23	6.91	
				1	0.60			4.80	0.23	0.66	
				4	8.45			1.68	0.23	13.06	
				2	14.00			1.18	0.23	7.60	
				1	15.00	3.10	2.90	3.00	0.23	10.35	
	Bhuvaneshwari Nagar										
	3rd Cross										
	0.00	4.00		1	4.00	1.30	3.50	2.40	0.23	2.21	
	4.00	8.00		1	4.00	3.50	0.70	2.10	0.23	1.93	
	8.00	8.10		1	0.10	0.70	2.80	1.75	0.23	0.04	
	8.10	8.50		1	0.40	2.80	4.50	3.65	0.23	0.34	
	8.50	12.60		1	4.10	4.50	4.60	4.55	0.23	4.29	
	12.60	20.00		1	7.40	4.60	2.40	3.50	0.23	5.96	
	20.00	32.60		1	12.60	2.40	3.30	2.85	0.23	8.26	
	32.60	38.20		1	5.60	3.30	3.80	3.55	0.23	4.57	
	38.20	53.00		1	14.80	3.80	2.20	3.00	0.23	10.21	
	53.00	65.00		1	12.00	2.20	4.70	3.45	0.23	9.52	

Consultants

Contractor

06.01.2020

Assistant Engineer

Assis...

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Detailed Measurements

Name of Work : - Improvement of Drains and Asphalting to Road at Bhuvaneshwarinagara Cross Roads in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
	Chainage										
	65.00	70.50		1	5.50	4.70	4.40	4.55	0.23	5.76	
	70.50	78.30		1	7.80	4.40	2.50	3.45	0.23	6.19	
	78.30	96.00		1	17.70	2.50	4.90	3.70	0.23	15.06	
	96.00	104.00		1	8.00	4.90	4.40	4.65	0.23	8.56	
	104.00	105.80		1	1.80	4.40	5.10	4.75	0.23	1.97	
	105.80	120.00		1	14.20	5.10	2.70	3.90	0.23	12.74	
	120.00	135.00		1	15.00	2.70	4.50	3.60	0.23	12.42	
	135.00	150.00		1	15.00	4.50	3.00	3.75	0.23	12.94	
	150.00	165.00		1	15.00	3.00	4.00	3.50	0.23	12.08	
	165.00	180.00		1	15.00	4.00	2.50	3.25	0.23	11.21	
	180.00	195.00		1	15.00	2.50	4.20	3.35	0.23	11.56	
	195.00	210.00		1	15.00	4.20	4.60	4.40	0.23	15.18	
	210.00	222.00		1	12.00	4.60	4.80	4.70	0.23	12.97	
	222.00	223.00		1	1.00	4.80	5.90	5.35	0.23	1.23	
	Connecting road between 3,4,5 cross road										
	0.00	15.00		1	15.00	4.20	4.30	4.25	0.23	14.66	
	15.00	30.00		1	15.00	4.30	3.60	3.95	0.23	13.63	
	30.00	45.00		1	15.00	3.60	3.90	3.75	0.23	12.94	
	45.00	49.00		1	4.00	3.90	3.90	3.90	0.23	3.59	
	49.00	50.20		1	1.20	0.00	0.00	0.00	0.23	0.00	Culvert
	50.20	60.00		1	9.80	4.00	4.30	4.15	0.23	9.35	
	60.00	71.70		1	11.70	4.30	3.90	4.10	0.23	11.03	
	15th cross road										
	0.00	14.30		1	14.30	5.10	5.10	5.10	0.23	16.77	
	14.30	22.40		1	8.10	5.10	5.20	5.15	0.23	9.59	
	22.40	30.00		1	7.60	5.20	2.80	4.00	0.23	6.99	
	30.00	46.00		1	16.00	2.80	3.10	2.95	0.23	10.86	
	46.00	54.00		1	8.00	3.10	3.30	3.20	0.23	5.89	
	54.00	69.00		1	15.00	3.30	3.30	3.30	0.23	11.39	
	69.00	84.00		1	15.00	3.30	5.00	4.15	0.23	14.32	
	84.00	95.00		1	11.00	5.00	3.40	4.20	0.23	10.63	
	95.00	110.00		1	15.00	3.40	5.10	4.25	0.23	14.66	
	110.00	125.00		1	15.00	5.10	4.10	4.60	0.23	15.87	
	125.00	136.40		1	11.40	4.10	4.30	4.20	0.23	11.01	
	136.40	141.50		1	5.10	4.30	2.00	3.15	0.23	3.69	
	141.50	156.50		1	15.00	2.00	1.60	1.80	0.23	6.21	
	156.50	161.40		1	4.90	1.60	1.60	1.60	0.23	1.80	
	161.40	167.80		1	6.40	1.60	4.90	3.25	0.23	4.78	
	167.80	182.80		1	15.00	4.90	3.20	4.05	0.23	13.97	

Consultants

Contractor

Assistant Engineer 26.01.2023

Assistant Engineer

Scanned with CamScanner

Name of Work : - Improvement of Drains and Asphalting to Road at Bhuvaneshwarinagara Cross Roads in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
	Chainage										
	182.80	197.80		1	15.00	3.20	5.80	4.50	0.23	15.53	
	197.80	200.00		1	2.20	5.80	5.60	5.70	0.23	2.88	
	200.00	215.00		1	15.00	5.60	4.70	5.15	0.23	17.77	
	215.00	230.00		1	15.00	4.70	5.50	5.10	0.23	17.60	
	230.00	245.00		1	15.00	5.50	5.20	5.35	0.23	18.46	
	245.00	258.00		1	13.00	5.20	3.60	4.40	0.23	13.16	
	258.00	273.00		1	15.00	3.60	2.30	2.95	0.23	10.18	
	273.00	273.50		1	0.50	2.30	3.90	3.10	0.23	0.36	
	Pragathi layout. connecting rd b/w 14th,15th,16th rd										
	0.00	15.00		1	15.00	4.60	5.70	5.15	0.23	17.77	
	15.00	27.00		1	12.00	5.70	5.80	5.75	0.23	15.87	
	27.00	28.50		1	1.50	5.80	5.70	5.75	0.23	1.98	
	28.50	33.10		1	4.60	5.70	5.90	5.80	0.23	6.14	
	33.10	34.50		1	1.40	5.90	5.90	5.90	0.23	1.90	
	34.50	50.00		1	15.50	5.90	5.50	5.70	0.23	20.32	
	50.00	58.00		1	8.00	5.50	5.30	5.40	0.23	9.94	
	58.00	59.80		1	1.80	5.30	5.30	5.30	0.23	2.19	
	59.80	62.50		1	2.70	5.30	6.30	5.80	0.23	3.60	
	62.50	64.30		1	1.80	6.30	6.30	6.30	0.23	2.61	
	64.30	74.10		1	9.80	6.30	4.30	5.30	0.23	11.95	
	16th cross										
	0.00	9.30		1	9.30	5.10	5.10	5.10	0.23	10.91	
	9.30	10.00		1	0.70	5.10	5.00	5.05	0.23	0.81	
	10.00	25.00		1	15.00	5.00	5.00	5.00	0.23	17.25	
	25.00	40.00		1	15.00	5.00	5.10	5.05	0.23	17.42	
	40.00	44.60		1	4.60	5.10	4.90	5.00	0.23	5.29	
	44.60	60.00		1	15.40	4.90	3.20	4.05	0.23	14.35	
	60.00	68.30		1	8.30	3.20	2.70	2.95	0.23	5.63	
	68.30	73.30		1	5.00	2.70	5.30	4.00	0.23	4.60	
	73.30	78.30		1	5.00	5.30	4.30	4.80	0.23	5.52	
	78.30	83.30		1	5.00	4.30	4.40	4.35	0.23	5.00	
	83.30	87.50		1	4.20	4.40	4.90	4.65	0.23	4.49	
	87.50	96.60		1	9.10	4.90	3.30	4.10	0.23	8.58	
	Bad reaches										
				1	2.40	3.00	3.00	3.00	0.23	1.66	
				1	15.00	4.60	4.40	4.50	0.23	15.53	
				1	11.00	4.40	4.60	4.50	0.23	11.39	

Consultants

Contractor

Assistant Engineer

Assistant Executive Engineer

Scanned with CamScanner

Name of Work : - Improvement of Drains and Asphalting to Road at Bhuvaneshwarinagara Cross Roads in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
	Chainage										
				1	8.00	4.30	4.00	4.15	0.23	7.64	
				1	10.00	1.80	1.30	1.55	0.23	3.57	
								Total Quantity		1045.32	Cum

Consultants

Contractor

Assistant Engineer

Assistant Executive Engineer

Scanned with CamScanner

Detailed Measurements

Name of Work : - Improvement of Drains and Asphalting to Road at Bhuvaneshwarinagara Cross Roads in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
28	KSRRB M 400-17, Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechaniqal mix plant carriage ' of mixed Material by tipper to site, laying in uniform layers with paver in sub- base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density.complete as per specifications. MORTH Specification No. 406 (P.No.158, I.No.20.18 of PW,P&IWTD SR 2016-17)										
	4th cross										
	Subramanya swamy temple road										
	0.00	15.00		1	15.00	5.60	5.50	5.55	0.23	19.15	
	15.00	30.00		1	15.00	5.50	4.30	4.90	0.23	16.91	
	30.00	45.00		1	15.00	4.30	5.50	4.90	0.23	16.91	
	45.00	60.00		1	15.00	5.50	5.80	5.65	0.23	19.49	
	60.00	75.00		1	15.00	5.80	5.40	5.60	0.23	19.32	
	75.00	90.00		1	15.00	5.40	4.90	5.15	0.23	17.77	
	90.00	105.00		1	15.00	4.90	6.45	5.68	0.23	19.58	
	105.00	120.00		1	15.00	6.45	5.90	6.18	0.23	21.30	
	120.00	135.00		1	15.00	5.90	5.90	5.90	0.23	20.36	
	135.00	150.00		1	15.00	5.90	5.55	5.73	0.23	19.75	
	150.00	165.00		1	15.00	5.55	5.75	5.65	0.23	19.49	
	165.00	180.00		1	15.00	5.75	4.50	5.13	0.23	17.68	
	180.00	195.00		1	15.00	4.50	3.90	4.20	0.23	14.49	
	195.00	211.70		1	16.70	3.90	5.20	4.55	0.23	17.48	
	Bad reach	**0.00**									
				1	8.00			3.50	0.23	6.44	
				3	4.47			2.24	0.23	6.91	
				1	0.60			4.80	0.23	0.66	
				4	8.45			1.68	0.23	13.06	
				2	14.00			1.18	0.23	7.60	
				1	15.00	3.10	2.90	3.00	0.23	10.35	
	3rd Cross										
	0.00	4.00		1	4.00	1.30	3.50	2.40	0.23	2.21	
	4.00	8.00		1	4.00	3.50	0.70	2.10	0.23	1.93	
	8.00	8.10		1	0.10	0.70	2.80	1.75	0.23	0.04	
	8.10	8.50		1	0.40	2.80	4.50	3.65	0.23	0.34	
	8.50	12.60		1	4.10	4.50	4.60	4.55	0.23	4.29	
	12.60	20.00		1	7.40	4.60	2.40	3.50	0.23	5.96	
	20.00	32.60		1	12.60	2.40	3.30	2.85	0.23	8.26	
	32.60	38.20		1	5.60	3.30	3.80	3.55	0.23	4.57	

Consultants | Contractor | Assistant Engineer 12.01.2020 | Assistant Engineer

Scanned with CamScanner

Detailed Measurements

Name of Work : - Improvement of Drains and Asphalting to Road at Bhuvaneshwarinagara Cross Roads in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
	38.20	53.00		1	14.80	3.80	2.20	3.00	0.23	10.21	
	53.00	65.00		1	12.00	2.20	4.70	3.45	0.23	9.52	
	65.00	70.50		1	5.50	4.70	4.40	4.55	0.23	5.76	
	70.50	78.30		1	7.80	4.40	2.50	3.45	0.23	6.19	
	78.30	96.00		1	17.70	2.50	4.90	3.70	0.23	15.06	
	96.00	104.00		1	8.00	4.90	4.40	4.65	0.23	8.56	
	104.00	105.80		1	1.80	4.40	5.10	4.75	0.23	1.97	
	105.80	120.00		1	14.20	5.10	2.70	3.90	0.23	12.74	
	120.00	135.00		1	15.00	2.70	4.50	3.60	0.23	12.42	
	135.00	150.00		1	15.00	4.50	3.00	3.75	0.23	12.94	
	150.00	165.00		1	15.00	3.00	4.00	3.50	0.23	12.08	
	165.00	180.00		1	15.00	4.00	2.50	3.25	0.23	11.21	
	180.00	195.00		1	15.00	2.50	4.20	3.35	0.23	11.56	
	195.00	210.00		1	15.00	4.20	4.60	4.40	0.23	15.18	
	210.00	222.00		1	12.00	4.60	4.80	4.70	0.23	12.97	
	222.00	223.00		1	1.00	4.80	5.90	5.35	0.23	1.23	
	Connecting road between 3,4,5 cross road										
	0.00	15.00		1	15.00	4.20	4.30	4.25	0.23	14.66	
	15.00	30.00		1	15.00	4.30	3.60	3.95	0.23	13.63	
	30.00	45.00		1	15.00	3.60	3.90	3.75	0.23	12.94	
	45.00	49.00		1	4.00	3.90	3.90	3.90	0.23	3.59	
	49.00	50.20		1	1.20	0.00	0.00	0.00	0.23	0.00	
	50.20	60.00		1	9.80	4.00	4.30	4.15	0.23	9.35	
	60.00	71.70		1	11.70	4.30	3.90	4.10	0.23	11.03	
	15th cross	0.00									
	0.00	14.30		1	14.30	5.10	5.10	5.10	0.23	16.77	
	14.30	22.40		1	8.10	5.10	5.20	5.15	0.23	9.59	
	22.40	30.00		1	7.60	5.20	2.80	4.00	0.23	6.99	
	30.00	46.00		1	16.00	2.80	3.10	2.95	0.23	10.86	
	46.00	54.00		1	8.00	3.10	3.30	3.20	0.23	5.89	
	54.00	69.00		1	15.00	3.30	3.30	3.30	0.23	11.39	
	69.00	84.00		1	15.00	3.30	5.00	4.15	0.23	14.32	
	84.00	95.00		1	11.00	5.00	3.40	4.20	0.23	10.63	
	95.00	110.00		1	15.00	3.40	5.10	4.25	0.23	14.66	
	110.00	125.00		1	15.00	5.10	4.10	4.60	0.23	15.87	
	125.00	136.40		1	11.40	4.10	4.30	4.20	0.23	11.01	
	136.40	141.50		1	5.10	4.30	2.00	3.15	0.23	3.69	
	141.50	156.50		1	15.00	2.00	1.60	1.80	0.23	6.21	
	156.50	161.40		1	4.90	1.60	1.60	1.60	0.23	1.80	

Consultants

Contractor

12.01.2020

Assistant Engineer

Assistant Engineer

Scanned with CamScanner

Detailed Measurements

Name of Work : - Improvement of Drains and Asphalting to Road at Bhuvaneshwarinagara Cross Roads in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
	Chainage										
	161.40	167.80		1	6.40	1.60	4.90	3.25	0.23	4.78	
	167.80	182.80		1	15.00	4.90	3.20	4.05	0.23	13.97	
	182.80	197.80		1	15.00	3.20	5.80	4.50	0.23	15.53	
	197.80	200.00		1	2.20	5.80	5.60	5.70	0.23	2.88	
	200.00	215.00		1	15.00	5.60	4.70	5.15	0.23	17.77	
	215.00	230.00		1	15.00	4.70	5.50	5.10	0.23	17.60	
	230.00	245.00		1	15.00	5.50	5.20	5.35	0.23	18.46	
	245.00	258.00		1	13.00	5.20	3.60	4.40	0.23	13.16	
	258.00	273.00		1	15.00	3.60	2.30	2.95	0.23	10.18	
	273.00	273.50		1	0.50	2.30	3.90	3.10	0.23	0.36	
	Pragathi layout.										
	connecting rd b/w 14th,15th,16th rd										
	0.00	15.00		1	15.00	4.60	5.70	5.15	0.23	17.77	
	15.00	27.00		1	12.00	5.70	5.80	5.75	0.23	15.87	
	27.00	28.50		1	1.50	5.80	5.70	5.75	0.23	1.98	
	28.50	33.10		1	4.60	5.70	5.90	5.80	0.23	6.14	
	33.10	34.50		1	1.40	5.90	5.90	5.90	0.23	1.90	
	34.50	50.00		1	15.50	5.90	5.50	5.70	0.23	20.32	
	50.00	58.00		1	8.00	5.50	5.30	5.40	0.23	9.94	
	58.00	59.80		1	1.80	5.30	5.30	5.30	0.23	2.19	
	59.80	62.50		1	2.70	5.30	6.30	5.80	0.23	3.60	
	62.50	64.30		1	1.80	6.30	6.30	6.30	0.23	2.61	
	64.30	74.10		1	9.80	6.30	4.30	5.30	0.23	11.95	
	16th cross										
	0.00	9.30		1	9.30	5.10	5.10	5.10	0.23	10.91	
	9.30	10.00		1	0.70	5.10	5.00	5.05	0.23	0.81	
	10.00	25.00		1	15.00	5.00	5.00	5.00	0.23	17.25	
	25.00	40.00		1	15.00	5.00	5.10	5.05	0.23	17.42	
	40.00	44.60		1	4.60	5.10	4.90	5.00	0.23	5.29	
	44.60	60.00		1	15.40	4.90	3.20	4.05	0.23	14.35	
	60.00	68.30		1	8.30	3.20	2.70	2.95	0.23	5.63	
	68.30	73.30		1	5.00	2.70	5.30	4.00	0.23	4.60	
	73.30	78.30		1	5.00	5.30	4.30	4.80	0.23	5.52	
	78.30	83.30		1	5.00	4.30	4.40	4.35	0.23	5.00	
	83.30	87.50		1	4.20	4.40	4.90	4.65	0.23	4.49	
	87.50	96.60		1	9.10	4.90	3.30	4.10	0.23	8.58	
	Bad reaches										
				1	2.40	3.00	3.00	3.00	0.23	1.66	

Consultants

Contractor

Assistant Engineer 12.01.2020

Assistant Engineer

Scanned with CamScanner

Detailed Measurements

Name of Work : - Improvement of Drains and Asphalting to Road at Bhuvaneshwarinagara Cross Roads in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
	Chainage										
				1	15.00	4.60	4.40	4.50	0.23	15.53	
				1	11.00	4.40	4.60	4.50	0.23	11.39	
				1	8.00	4.30	4.00	4.15	0.23	7.64	
				1	10.00	1.80	1.30	1.55	0.23	3.57	
								Total Quantity		1045.32	Cum

Consultants

Contractor

Assistant Engineer

Assistant Engineer

Scanned with CamScanner

Detailed Measurements

Name of Work : - Improvement of Drains and Asphalting to Road at Bhuvaneshwarinagara Cross Roads in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
29	KSRRB M 500-6, Providing and applying primer coat with SS bitumen emulsion on prepared surface of granular Base such as WBM WMM including clearing of road surface and spraying primer at the rate of 0.60 kglsqm using mechanical means complete as per specifications. As per MORTH specification clause No. 502 (P.No.161, I.No.21.6 of										
	4th cross										
	Subramanya swamy temple road										
	0.00	15.00		1	15.00	5.60	5.50	5.55		83.25	
	15.00	30.00		1	15.00	5.50	4.30	4.90		73.50	
	30.00	45.00		1	15.00	4.30	5.50	4.90		73.50	
	45.00	60.00		1	15.00	5.50	5.80	5.65		84.75	
	60.00	75.00		1	15.00	5.80	5.40	5.60		84.00	
	75.00	90.00		1	15.00	5.40	4.90	5.15		77.25	
	90.00	105.00		1	15.00	4.90	6.45	5.68		85.13	
	105.00	120.00		1	15.00	6.45	5.90	6.18		92.63	
	120.00	135.00		1	15.00	5.90	5.90	5.90		88.50	
	135.00	150.00		1	15.00	5.90	5.55	5.73		85.88	
	150.00	165.00		1	15.00	5.55	5.75	5.65		84.75	
	165.00	180.00		1	15.00	5.75	4.50	5.13		76.88	
	180.00	195.00		1	15.00	4.50	3.90	4.20		63.00	
	195.00	211.70		1	16.70	3.90	5.20	4.55		75.98	
	Bad reaches										
				1	8.00			3.50		28.00	
				3	4.47			2.24		30.04	
				1	0.60			4.80		2.88	
				4	8.45			1.68		56.78	
				2	14.00			1.18		33.04	
				1	15.00	3.10	2.90	3.00		45.00	
	3rd Cross										
	0.00	4.00		1	4.00	1.30	3.50	2.40		9.60	
	4.00	8.00		1	4.00	3.50	0.70	2.10		8.40	
	8.00	8.10		1	0.10	0.70	2.80	1.75		0.17	
	8.10	8.50		1	0.40	2.80	4.50	3.65		1.46	
	8.50	12.60		1	4.10	4.50	4.60	4.55		18.66	
	12.60	20.00		1	7.40	4.60	2.40	3.50		25.90	
	20.00	32.60		1	12.60	2.40	3.30	2.85		35.91	
	32.60	38.20		1	5.60	3.30	3.80	3.55		19.88	
	38.20	53.00		1	14.80	3.80	2.20	3.00		44.40	
	53.00	65.00		1	12.00	2.20	4.70	3.45		41.40	
	65.00	70.50		1	5.50	4.70	4.40	4.55		25.03	

Consultants | Contractor | Assistant Engineer | Assistant Executive Engineer

Scanned with CamScanner

Name of Work : - Improvement of Drains and Asphalting to Road at Bhuvaneshwarinagara Cross Roads in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
	Chainage										
	70.50	78.30		1	7.80	4.40	2.50	3.45		26.91	
	78.30	96.00		1	17.70	2.50	4.90	3.70		65.49	
	96.00	104.00		1	8.00	4.90	4.40	4.65		37.20	
	104.00	105.80		1	1.80	4.40	5.10	4.75		8.55	
	105.80	120.00		1	14.20	5.10	2.70	3.90		55.38	
	120.00	135.00		1	15.00	2.70	4.50	3.60		54.00	
	135.00	150.00		1	15.00	4.50	3.00	3.75		56.25	
	150.00	165.00		1	15.00	3.00	4.00	3.50		52.50	
	165.00	180.00		1	15.00	4.00	2.50	3.25		48.75	
	180.00	195.00		1	15.00	2.50	4.20	3.35		50.25	
	195.00	210.00		1	15.00	4.20	4.60	4.40		66.00	
	210.00	222.00		1	12.00	4.60	4.80	4.70		56.40	
	222.00	223.00		1	1.00	4.80	5.90	5.35		5.35	
	Connecting road between 3,4,5 cross road										
	0.00	15.00		1	15.00	4.20	4.30	4.25		63.75	
	15.00	30.00		1	15.00	4.30	3.60	3.95		59.25	
	30.00	45.00		1	15.00	3.60	3.90	3.75		56.25	
	45.00	49.00		1	4.00	3.90	3.90	3.90		15.60	
	49.00	50.20		1	1.20	0.00	0.00	0.00		0.00	
	50.20	60.00		1	9.80	4.00	4.30	4.15		40.67	
	60.00	71.70		1	11.70	4.30	3.90	4.10		47.97	
	15th cross road										
	0.00	14.30		1	14.30	5.10	5.10	5.10		72.93	
	14.30	22.40		1	8.10	5.10	5.20	5.15		41.72	
	22.40	30.00		1	7.60	5.20	2.80	4.00		30.40	
	30.00	46.00		1	16.00	2.80	3.10	2.95		47.20	
	46.00	54.00		1	8.00	3.10	3.30	3.20		25.60	
	54.00	69.00		1	15.00	3.30	3.30	3.30		49.50	
	69.00	84.00		1	15.00	3.30	5.00	4.15		62.25	
	84.00	95.00		1	11.00	5.00	3.40	4.20		46.20	
	95.00	110.00		1	15.00	3.40	5.10	4.25		63.75	
	110.00	125.00		1	15.00	5.10	4.10	4.60		69.00	
	125.00	136.40		1	11.40	4.10	4.30	4.20		47.88	
	136.40	141.50		1	5.10	4.30	2.00	3.15		16.07	
	141.50	156.50		1	15.00	2.00	1.60	1.80		27.00	
	156.50	161.40		1	4.90	1.60	1.60	1.60		7.84	
	161.40	167.80		1	6.40	1.60	4.90	3.25		20.80	
	167.80	182.80		1	15.00	4.90	3.20	4.05		60.75	
	182.80	197.80		1	15.00	3.20	5.80	4.50		67.50	

Consultants

Contractor

Assistant Engineer 3.02.2020

Assistant Executive Engineer

Scanned with CamScanner

Name of Work : - Improvement of Drains and Asphalting to Road at Bhuvaneshwarinagara Cross Roads in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
	Chainage										
	197.80	200.00		1	2.20	5.80	5.60	5.70		12.54	
	200.00	215.00		1	15.00	5.60	4.70	5.15		77.25	
	215.00	230.00		1	15.00	4.70	5.50	5.10		76.50	
	230.00	245.00		1	15.00	5.50	5.20	5.35		80.25	
	245.00	258.00		1	13.00	5.20	3.60	4.40		57.20	
	258.00	273.00		1	15.00	3.60	2.30	2.95		44.25	
	273.00	273.50		1	0.50	2.30	3.90	3.10		1.55	
	Pragathi layout.										
	connecting rd b/w 14th,15th,16th rd										
	0.00	15.00		1	15.00	4.60	5.70	5.15		77.25	
	15.00	27.00		1	12.00	5.70	5.80	5.75		69.00	
	27.00	28.50		1	1.50	5.80	5.70	5.75		8.63	
	28.50	33.10		1	4.60	5.70	5.90	5.80		26.68	
	33.10	34.50		1	1.40	5.90	5.90	5.90		8.26	
	34.50	50.00		1	15.50	5.90	5.50	5.70		88.35	
	50.00	58.00		1	8.00	5.50	5.30	5.40		43.20	
	58.00	59.80		1	1.80	5.30	5.30	5.30		9.54	
	59.80	62.50		1	2.70	5.30	6.30	5.80		15.66	
	62.50	64.30		1	1.80	6.30	6.30	6.30		11.34	
	64.30	74.10		1	9.80	6.30	4.30	5.30		51.94	
	16th cross										
	0.00	9.30		1	9.30	5.10	5.10	5.10		47.43	
	9.30	10.00		1	0.70	5.10	5.00	5.05		3.54	
	10.00	25.00		1	15.00	5.00	5.00	5.00		75.00	
	25.00	40.00		1	15.00	5.00	5.10	5.05		75.75	
	40.00	44.60		1	4.60	5.10	4.90	5.00		23.00	
	44.60	60.00		1	15.40	4.90	3.20	4.05		62.37	
	60.00	68.30		1	8.30	3.20	2.70	2.95		24.49	
	68.30	73.30		1	5.00	2.70	5.30	4.00		20.00	
	73.30	78.30		1	5.00	5.30	4.30	4.80		24.00	
	78.30	83.30		1	5.00	4.30	4.40	4.35		21.75	
	83.30	87.50		1	4.20	4.40	4.90	4.65		19.53	
	87.50	96.60		1	9.10	4.90	3.30	4.10		37.31	
	Bad reaches			1	2.40	3.00	3.00	3.00		7.20	
				1	15.00	4.60	4.40	4.50		67.50	
				1	11.00	4.40	4.60	4.50		49.50	
				1	8.00	4.30	4.00	4.15		33.20	

Consultants

Contractor

Assistant Engineer

2.2.2020

Assistant Executive Engineer

Scanned with CamScanner

Detailed Measurements

Name of Work : - Improvement of Drains and Asphalting to Road at Bhuvaneshwarinagara Cross Roads in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
	Chainage										
				1	10.00	1.80	1.30	1.55		15.50	
								Total Quantity		4544.88	Sqm

Consultants

Contractor

Assistant Engineer

2.2.2020

Assistant Executive Engineer

Scanned with CamScanner

Detailed Measurements

Name of Work : - Improvement of Drains and Asphalting to Road at Bhuvaneshwarinagara Cross Roads in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
30	KSRRB 500-2: Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatement including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Spec, Chapter 5 (P.No.161, I.No.21.2 of PW,P&IWTD SR 2016-17)										
	4th cross										
	Subramanya swamy temple road										
	0.00	15.00		1	15.00	5.60	5.50	5.55		83.25	
	15.00	30.00		1	15.00	5.50	4.30	4.90		73.50	
	30.00	45.00		1	15.00	4.30	5.50	4.90		73.50	
	45.00	60.00		1	15.00	5.50	5.80	5.65		84.75	
	60.00	75.00		1	15.00	5.80	5.40	5.60		84.00	
	75.00	90.00		1	15.00	5.40	4.90	5.15		77.25	
	90.00	105.00		1	15.00	4.90	6.45	5.68		85.13	
	105.00	120.00		1	15.00	6.45	5.90	6.18		92.63	
	120.00	135.00		1	15.00	5.90	5.90	5.90		88.50	
	135.00	150.00		1	15.00	5.90	5.55	5.73		85.88	
	150.00	165.00		1	15.00	5.55	5.75	5.65		84.75	
	165.00	180.00		1	15.00	5.75	4.50	5.13		76.88	
	180.00	195.00		1	15.00	4.50	3.90	4.20		63.00	
	195.00	211.70		1	16.70	3.90	5.20	4.55		75.98	
	211.70	216.00		0	4.30	0.00	4.35	2.18		0.00	c/s Road
	216.00	231.00		1	15.00	4.35	5.90	5.13		76.88	
	231.00	246.00		1	15.00	5.90	5.90	5.90		88.50	
	246.00	261.00		1	15.00	5.90	5.60	5.75		86.25	
	261.00	276.00		1	15.00	5.60	5.80	5.70		85.50	
	276.00	291.00		1	15.00	5.80	6.00	5.90		88.50	
	291.00	306.00		1	15.00	6.00	6.40	6.20		93.00	
	306.00	317.90		1	11.90	6.40	8.10	7.25		86.27	
	317.90	322.20		1	4.30	8.10	8.25	8.18		35.15	
	3rd Cross										
	0.00	15.00		1	15.00	5.85	4.60	5.23		78.38	
	15.00	30.00		1	15.00	4.60	4.85	4.73		70.88	
	30.00	45.00		1	15.00	4.85	4.85	4.85		72.75	
	45.00	60.00		1	15.00	4.85	4.55	4.70		70.50	
	60.00	75.00		1	15.00	4.55	4.50	4.53		67.88	
	75.00	90.00		1	15.00	4.50	5.58	5.04		75.60	
	90.00	105.00		1	15.00	5.58	5.15	5.37		80.48	
	105.00	120.00		1	15.00	5.15	4.67	4.91		73.65	

Consultants

Contractor

Assistant Engineer

Assistant Executive Engine

Scanned with CamScanner

Name of Work : - Improvement of Drains and Asphalting to Road at Bhuvaneshwarinagara Cross Roads in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
	Chainage										
	120.00	135.00		1	15.00	4.67	5.40	5.04		75.53	
	135.00	150.00		1	15.00	5.40	5.50	5.45		81.75	
	150.00	165.00		1	15.00	5.50	4.86	5.18		77.70	
	165.00	180.00		1	15.00	4.86	6.30	5.58		83.70	
	180.00	195.00		1	15.00	6.30	5.30	5.80		87.00	
	195.00	210.00		1	15.00	5.30	4.90	5.10		76.50	
	210.00	223.00		1	13.00	4.90	7.05	5.98		77.68	
	15th Cross Road										
	0.00	15.00		1	15.00	5.10	5.10	5.10		76.50	
	15.00	30.00		1	15.00	5.10	4.44	4.77		71.55	
	30.00	45.00		1	15.00	4.44	4.65	4.55		68.18	
	45.00	60.00		1	15.00	4.65	4.30	4.48		67.13	
	60.00	75.00		1	15.00	4.30	4.60	4.45		66.75	
	75.00	90.00		1	15.00	4.60	4.45	4.53		67.88	
	90.00	105.00		1	15.00	4.45	4.94	4.70		70.43	
	105.00	120.00		1	15.00	4.94	4.49	4.72		70.73	
	120.00	135.00		1	15.00	4.49	5.68	5.09		76.28	
	135.00	150.00		1	15.00	5.68	4.00	4.84		72.60	
	150.00	165.00		1	15.00	4.00	4.90	4.45		66.75	
	165.00	180.00		1	15.00	4.90	5.38	5.14		77.10	
	180.00	195.00		1	15.00	5.38	5.38	5.38		80.70	
	195.00	210.00		1	15.00	5.38	5.00	5.19		77.85	
	210.00	225.00		1	15.00	5.00	5.15	5.08		76.13	
	225.00	240.00		1	15.00	5.15	4.20	4.68		70.13	
	240.00	255.00		1	15.00	4.20	3.60	3.90		58.50	
	255.00	270.00		1	15.00	3.60	3.70	3.65		54.75	
	270.00	273.50		1	3.50	3.70	4.70	4.20		14.70	
	connecting rd b/w 14th,15th,16th rd										
	0.00	15.00		1	15.00	4.74	4.85	4.80		71.93	
	15.00	26.20		1	11.20	4.85	5.40	5.13		57.40	
	26.20	40.20		1	14.00	5.40	5.85	5.63		78.75	
	40.20	50.20		1	10.00	5.85	5.95	5.90		59.00	
	50.20	64.00		1	13.80	5.95	4.60	5.28		72.80	
	64.00	74.10		1	10.10	4.60	4.76	4.68		47.27	
	16th Cross Road										
	0.00	15.00		1	15.00	6.21	5.30	5.76		86.33	
	15.00	30.00		1	15.00	5.30	4.73	5.02		75.23	
	30.00	45.00		1	15.00	4.73	4.69	4.71		70.65	

Consultants

Contractor

Assistant Engineer

22.2.2020

Assistant Executive Engineer

Scanned with CamScanner

Detailed Measurements

Name of Work : - Improvement of Drains and Asphalting to Road at Bhuvaneshwarinagara Cross Roads in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
	Chainage										
	45.00	60.00		1	15.00	4.69	5.00	4.85		72.68	
	60.00	75.00		1	15.00	5.00	4.43	4.72		70.73	
	75.00	90.00		1	15.00	4.43	4.60	4.52		67.73	
	90.00	105.00		1	15.00	4.60	5.10	4.85		72.75	
	105.00	120.00		1	15.00	5.10	4.50	4.80		72.00	
	120.00	135.00		1	15.00	4.50	4.50	4.50		67.50	
	135.00	150.00		1	15.00	4.50	4.41	4.46		66.83	
	150.00	165.00		1	15.00	4.41	4.80	4.61		69.08	
	165.00	180.00		1	15.00	4.80	5.30	5.05		75.75	
	180.00	195.00		1	15.00	5.30	4.30	4.80		72.00	
	195.00	210.00		1	15.00	4.30	4.52	4.41		66.15	
	210.00	225.00		1	15.00	4.52	4.10	4.31		64.65	
	225.00	240.00		1	15.00	4.10	4.85	4.48		67.13	
	240.00	255.00		1	15.00	4.85	4.80	4.83		72.38	
	255.00	270.00		1	15.00	4.80	4.90	4.85		72.75	
	270.00	271.20		1	1.20	4.90	5.00	4.95		5.94	
						Deduction of Prime Coat				-4544.88	
								Total Quantity		1334.06	Sqm

Consultants

Contractor

Assistant Engineer

Assistant Executive Engineer

Scanned with CamScanner

Detailed Measurements

Name of Work : - Improvement of Drains and Asphalting to Road at Bhuvaneshwarinagara Cross Roads in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
31	KSRRB M500-7 : Providing and applying tack coat using 80/100 grade bitumen (VG10) on prepared black topped surfaces at 2.5 Kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.MORTH / Chapter 5 (P.No.161 I.No.21.7 of PW,P&IWTD SR of 2016-17)										
	4th cross										
	Subramanya swamy temple road										
	0.00	15.00		1	15.00	5.60	5.50	5.55		83.25	
	15.00	30.00		1	15.00	5.50	4.30	4.90		73.50	
	30.00	45.00		1	15.00	4.30	5.50	4.90		73.50	
	45.00	60.00		1	15.00	5.50	5.80	5.65		84.75	
	60.00	75.00		1	15.00	5.80	5.40	5.60		84.00	
	75.00	90.00		1	15.00	5.40	4.90	5.15		77.25	
	90.00	105.00		1	15.00	4.90	6.45	5.68		85.13	
	105.00	120.00		1	15.00	6.45	5.90	6.18		92.63	
	120.00	135.00		1	15.00	5.90	5.90	5.90		88.50	
	135.00	150.00		1	15.00	5.90	5.55	5.73		85.88	
	150.00	165.00		1	15.00	5.55	5.75	5.65		84.75	
	165.00	180.00		1	15.00	5.75	4.50	5.13		76.88	
	180.00	195.00		1	15.00	4.50	3.90	4.20		63.00	
	195.00	211.70		1	16.70	3.90	5.20	4.55		75.98	
	211.70	216.00		0	4.30	0.00	4.35	2.18		0.00	
	216.00	231.00		1	15.00	4.35	5.90	5.13		76.88	
	231.00	246.00		1	15.00	5.90	5.90	5.90		88.50	
	246.00	261.00		1	15.00	5.90	5.60	5.75		86.25	
	261.00	276.00		1	15.00	5.60	5.80	5.70		85.50	
	276.00	291.00		1	15.00	5.80	6.00	5.90		88.50	
	291.00	306.00		1	15.00	6.00	6.40	6.20		93.00	
	306.00	317.90		1	11.90	6.40	8.10	7.25		86.27	
	317.90	322.20		1	4.30	8.10	8.25	8.18		35.15	
	3rd Cross										
	0.00	15.00		1	15.00	5.85	4.60	5.23		78.38	
	15.00	30.00		1	15.00	4.60	4.85	4.73		70.88	
	30.00	45.00		1	15.00	4.85	4.85	4.85		72.75	
	45.00	60.00		1	15.00	4.85	4.55	4.70		70.50	
	60.00	75.00		1	15.00	4.55	4.50	4.53		67.88	
	75.00	90.00		1	15.00	4.50	5.58	5.04		75.60	
	90.00	105.00		1	15.00	5.58	5.15	5.37		80.48	
	105.00	120.00		1	15.00	5.15	4.67	4.91		73.65	

Consultants | Contractor | Assistant Engineer | Assistant Executive Engineer

Scanned with CamScanner

Name of Work : - Improvement of Drains and Asphalting to Road at Bhuvaneshwarinagara Cross Roads in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
	Chainage										
	120.00	135.00		1	15.00	4.67	5.40	5.04		75.53	
	135.00	150.00		1	15.00	5.40	5.50	5.45		81.75	
	150.00	165.00		1	15.00	5.50	4.86	5.18		77.70	
	165.00	180.00		1	15.00	4.86	6.30	5.58		83.70	
	180.00	195.00		1	15.00	6.30	5.30	5.80		87.00	
	195.00	210.00		1	15.00	5.30	4.90	5.10		76.50	
	210.00	223.00		1	13.00	4.90	7.05	5.98		77.68	
	Connecting road between 3,4,5 cross road										
	0.00	15.00		1	15.00	4.20	4.30	4.25		63.75	
	15.00	30.00		1	15.00	4.30	3.60	3.95		59.25	
	30.00	45.00		1	15.00	3.60	3.90	3.75		56.25	
	45.00	49.00		1	4.00	3.90	3.90	3.90		15.60	
	49.00	50.20		1	1.20	0.00	0.00	0.00		0.00	
	50.20	60.00		1	9.80	4.00	4.30	4.15		40.67	
	60.00	71.70		1	11.70	4.30	3.90	4.10		47.97	
	15th Cross Road										
	0.00	15.00		1	15.00	5.10	5.10	5.10		76.50	
	15.00	30.00		1	15.00	5.10	4.44	4.77		71.55	
	30.00	45.00		1	15.00	4.44	4.65	4.55		68.18	
	45.00	60.00		1	15.00	4.65	4.30	4.48		67.13	
	60.00	75.00		1	15.00	4.30	4.60	4.45		66.75	
	75.00	90.00		1	15.00	4.60	4.45	4.53		67.88	
	90.00	105.00		1	15.00	4.45	4.94	4.70		70.43	
	105.00	120.00		1	15.00	4.94	4.49	4.72		70.73	
	120.00	135.00		1	15.00	4.49	5.68	5.09		76.28	
	135.00	150.00		1	15.00	5.68	4.00	4.84		72.60	
	150.00	165.00		1	15.00	4.00	4.90	4.45		66.75	
	165.00	180.00		1	15.00	4.90	5.38	5.14		77.10	
	180.00	195.00		1	15.00	5.38	5.38	5.38		80.70	
	195.00	210.00		1	15.00	5.38	5.00	5.19		77.85	
	210.00	225.00		1	15.00	5.00	5.15	5.08		76.13	
	225.00	240.00		1	15.00	5.15	4.20	4.68		70.13	
	240.00	255.00		1	15.00	4.20	3.60	3.90		58.50	
	255.00	270.00		1	15.00	3.60	3.70	3.65		54.75	
	270.00	273.50		1	3.50	3.70	4.70	4.20		14.70	
	connecting rd b/w 14th,15th,16th rd										
	0.00	15.00		1	15.00	4.74	4.85	4.80		71.93	

Consultants

Contractor

Assistant Engineer

2.2.2020

Assistant Executive Engineer

Scanned with CamScanner

Detailed Measurements

Name of Work : - Improvement of Drains and Asphalting to Road at Bhuvaneshwarinagara Cross Roads in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
	Chainage										
	15.00	26.20		1	11.20	4.85	5.40	5.13		57.40	
	26.20	40.20		1	14.00	5.40	5.85	5.63		78.75	
	40.20	50.20		1	10.00	5.85	5.95	5.90		59.00	
	50.20	64.00		1	13.80	5.95	4.60	5.28		72.80	
	64.00	74.10		1	10.10	4.60	4.76	4.68		47.27	
	16th Cross Road										
	0.00	15.00		1	15.00	6.21	5.30	5.76		86.33	
	15.00	30.00		1	15.00	5.30	4.73	5.02		75.23	
	30.00	45.00		1	15.00	4.73	4.69	4.71		70.65	
	45.00	60.00		1	15.00	4.69	5.00	4.85		72.68	
	60.00	75.00		1	15.00	5.00	4.43	4.72		70.73	
	75.00	90.00		1	15.00	4.43	4.60	4.52		67.73	
	90.00	105.00		1	15.00	4.60	5.10	4.85		72.75	
	105.00	120.00		1	15.00	5.10	4.50	4.80		72.00	
	120.00	135.00		1	15.00	4.50	4.50	4.50		67.50	
	135.00	150.00		1	15.00	4.50	4.41	4.46		66.83	
	150.00	165.00		1	15.00	4.41	4.80	4.61		69.08	
	165.00	180.00		1	15.00	4.80	5.30	5.05		75.75	
	180.00	195.00		1	15.00	5.30	4.30	4.80		72.00	
	195.00	210.00		1	15.00	4.30	4.52	4.41		66.15	
	210.00	225.00		1	15.00	4.52	4.10	4.31		64.65	
	225.00	240.00		1	15.00	4.10	4.85	4.48		67.13	
	240.00	255.00		1	15.00	4.85	4.80	4.83		72.38	
	255.00	270.00		1	15.00	4.80	4.90	4.85		72.75	
	270.00	271.20		1	1.20	4.90	5.00	4.95		5.94	
								Total Quantity		6162.43	Sqm

Consultants

Contractor

Assistant Engineer 2.2.2020

Assistant Executive Engine

Scanned with CamScanner

Detailed Measurements

Name of Work : - Improvement of Drains and Asphalting to Road at Bhuvaneshwarinagara Cross Roads in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
32	KSRRB M500-19. Providing and laying bituminous concrete 30-40 mm compacted thickness with VG30 Bitumen grade using 40-60 HMP using crushed aggregates of grading II, premixed with bituminous binder at 5.4% of mix and filler, transporting the hot mix to work site, laying with a mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRT&H specification clause No. 500.9 complete in all respects as per specifications. MORTH Specification No. 509 (P.No.165 of I.No.21.22.6 in PW,P&IWTD S.R 2016-17)										
	4th cross										
	Subramanya swamy temple road										
	0.00	15.00		1	15.00	5.60	5.50	5.55	0.04	3.33	
	15.00	30.00		1	15.00	5.50	4.30	4.90	0.04	2.94	
	30.00	45.00		1	15.00	4.30	5.50	4.90	0.04	2.94	
	45.00	60.00		1	15.00	5.50	5.80	5.65	0.04	3.39	
	60.00	75.00		1	15.00	5.80	5.40	5.60	0.04	3.36	
	75.00	90.00		1	15.00	5.40	4.90	5.15	0.04	3.09	
	90.00	105.00		1	15.00	4.90	6.45	5.68	0.04	3.41	
	105.00	120.00		1	15.00	6.45	5.90	6.18	0.04	3.71	
	120.00	135.00		1	15.00	5.90	5.90	5.90	0.04	3.54	
	135.00	150.00		1	15.00	5.90	5.55	5.73	0.04	3.44	
	150.00	165.00		1	15.00	5.55	5.75	5.65	0.04	3.39	
	165.00	180.00		1	15.00	5.75	4.50	5.13	0.04	3.08	
	180.00	195.00		1	15.00	4.50	3.90	4.20	0.04	2.52	
	195.00	211.70		1	16.70	3.90	5.20	4.55	0.04	3.04	
	211.70	216.00		0	4.30	0.00	4.35	2.18	0.04	0.00	
	216.00	231.00		1	15.00	4.35	5.90	5.13	0.04	3.08	
	231.00	246.00		1	15.00	5.90	5.90	5.90	0.04	3.54	
	246.00	261.00		1	15.00	5.90	5.60	5.75	0.04	3.45	
	261.00	276.00		1	15.00	5.60	5.80	5.70	0.04	3.42	
	276.00	291.00		1	15.00	5.80	6.00	5.90	0.04	3.54	
	291.00	306.00		1	15.00	6.00	6.40	6.20	0.04	3.72	
	306.00	317.90		1	11.90	6.40	8.10	7.25	0.04	3.45	
	317.90	322.20		1	4.30	8.10	8.25	8.18	0.04	1.41	
	3rd Cross										
	0.00	15.00		1	15.00	5.85	4.60	5.23	0.04	3.14	
	15.00	30.00		1	15.00	4.60	4.85	4.73	0.04	2.84	
	30.00	45.00		1	15.00	4.85	4.85	4.85	0.04	2.91	
	45.00	60.00		1	15.00	4.85	4.55	4.70	0.04	2.82	

Consultants

Contractor

2.2.2020
Assistant Engineer

Assistant Executive Engin

Scanned with CamScanner

Name of Work : - Improvement of Drains and Asphalting to Road at Bhuvaneshwarinagara Cross Roads in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
	60.00	75.00		1	15.00	4.55	4.50	4.53	0.04	2.72	
	75.00	90.00		1	15.00	4.50	5.58	5.04	0.04	3.02	
	90.00	105.00		1	15.00	5.58	5.15	5.37	0.04	3.22	
	105.00	120.00		1	15.00	5.15	4.67	4.91	0.04	2.95	
	120.00	135.00		1	15.00	4.67	5.40	5.04	0.04	3.02	
	135.00	150.00		1	15.00	5.40	5.50	5.45	0.04	3.27	
	150.00	165.00		1	15.00	5.50	4.86	5.18	0.04	3.11	
	165.00	180.00		1	15.00	4.86	6.30	5.58	0.04	3.35	
	180.00	195.00		1	15.00	6.30	5.30	5.80	0.04	3.48	
	195.00	210.00		1	15.00	5.30	4.90	5.10	0.04	3.06	
	210.00	223.00		1	13.00	4.90	7.05	5.98	0.04	3.11	
	Connecting road between 3,4,5 cross road										
	0.00	15.00		1	15.00	4.20	4.30	4.25	0.04	2.55	
	15.00	30.00		1	15.00	4.30	3.60	3.95	0.04	2.37	
	30.00	45.00		1	15.00	3.60	3.90	3.75	0.04	2.25	
	45.00	49.00		1	4.00	3.90	3.90	3.90	0.04	0.62	
	49.00	50.20		1	1.20	0.00	0.00	0.00	0.04	0.00	
	50.20	60.00		1	9.80	4.00	4.30	4.15	0.04	1.63	
	60.00	71.70		1	11.70	4.30	3.90	4.10	0.04	1.92	
	15th Cross Road										
	0.00	15.00		1	15.00	5.10	5.10	5.10	0.04	3.06	
	15.00	30.00		1	15.00	5.10	4.44	4.77	0.04	2.86	
	30.00	45.00		1	15.00	4.44	4.65	4.55	0.04	2.73	
	45.00	60.00		1	15.00	4.65	4.30	4.48	0.04	2.69	
	60.00	75.00		1	15.00	4.30	4.60	4.45	0.04	2.67	
	75.00	90.00		1	15.00	4.60	4.45	4.53	0.04	2.72	
	90.00	105.00		1	15.00	4.45	4.94	4.70	0.04	2.82	
	105.00	120.00		1	15.00	4.94	4.49	4.72	0.04	2.83	
	120.00	135.00		1	15.00	4.49	5.68	5.09	0.04	3.05	
	135.00	150.00		1	15.00	5.68	4.00	4.84	0.04	2.90	
	150.00	165.00		1	15.00	4.00	4.90	4.45	0.04	2.67	
	165.00	180.00		1	15.00	4.90	5.38	5.14	0.04	3.08	
	180.00	195.00		1	15.00	5.38	5.38	5.38	0.04	3.23	
	195.00	210.00		1	15.00	5.38	5.00	5.19	0.04	3.11	
	210.00	225.00		1	15.00	5.00	5.15	5.08	0.04	3.05	
	225.00	240.00		1	15.00	5.15	4.20	4.68	0.04	2.81	
	240.00	255.00		1	15.00	4.20	3.60	3.90	0.04	2.34	
	255.00	270.00		1	15.00	3.60	3.70	3.65	0.04	2.19	
	270.00	273.50		1	3.50	3.70	4.70	4.20	0.04	0.59	

Consultants Contractor Assistant Engineer Assistant Executive Engineer

Scanned with CamScanner

Detailed Measurements

Name of Work : - Improvement of Drains and Asphalting to Road at Bhuvaneshwarinagara Cross Roads in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
	connecting rd b/w 14th,15th,16th rd										
	0.00	15.00		1	15.00	4.74	4.85	4.80	0.04	2.88	
	15.00	26.20		1	11.20	4.85	5.40	5.13	0.04	2.30	
	26.20	40.20		1	14.00	5.40	5.85	5.63	0.04	3.15	
	40.20	50.20		1	10.00	5.85	5.95	5.90	0.04	2.36	
	50.20	64.00		1	13.80	5.95	4.60	5.28	0.04	2.91	
	64.00	74.10		1	10.10	4.60	4.76	4.68	0.04	1.89	
	16th Cross Road										
	0.00	15.00		1	15.00	6.21	5.30	5.76	0.04	3.45	
	15.00	30.00		1	15.00	5.30	4.73	5.02	0.04	3.01	
	30.00	45.00		1	15.00	4.73	4.69	4.71	0.04	2.83	
	45.00	60.00		1	15.00	4.69	5.00	4.85	0.04	2.91	
	60.00	75.00		1	15.00	5.00	4.43	4.72	0.04	2.83	
	75.00	90.00		1	15.00	4.43	4.60	4.52	0.04	2.71	
	90.00	105.00		1	15.00	4.60	5.10	4.85	0.04	2.91	
	105.00	120.00		1	15.00	5.10	4.50	4.80	0.04	2.88	
	120.00	135.00		1	15.00	4.50	4.50	4.50	0.04	2.70	
	135.00	150.00		1	15.00	4.50	4.41	4.46	0.04	2.67	
	150.00	165.00		1	15.00	4.41	4.80	4.61	0.04	2.76	
	165.00	180.00		1	15.00	4.80	5.30	5.05	0.04	3.03	
	180.00	195.00		1	15.00	5.30	4.30	4.80	0.04	2.88	
	195.00	210.00		1	15.00	4.30	4.52	4.41	0.04	2.65	
	210.00	225.00		1	15.00	4.52	4.10	4.31	0.04	2.59	
	225.00	240.00		1	15.00	4.10	4.85	4.48	0.04	2.69	
	240.00	255.00		1	15.00	4.85	4.80	4.83	0.04	2.90	
	255.00	270.00		1	15.00	4.80	4.90	4.85	0.04	2.91	
	270.00	271.20		1	1.20	4.90	5.00	4.95	0.04	0.24	
								Total Quantity		246.50	Cum

Consultants

Contractor

Assistant Engineer

Assistant Executive Engineer

Scanned with CamScanner

Name of Work : - Improvement of Drains and Asphalting to Road at Bhuvaneshwarinagara Cross Roads in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
33	KSRRB M800-13. Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803.(P.No.185, I.No.24.15 of PW,P&IWTD SR 2016-17)									
	4th cross									
	Subramanya swamy temple road									
	Edge Line		2	317.90			0.10		63.58	
	3rd Cross									
	Edge Line		2	223.00			0.10		44.60	
	Connecting road between 3,4,5 cross road									
	Edge Line		2	71.70			0.10		14.34	
	15th Cross Road									
	Edge Line		2	273.50			0.10		54.70	
	connecting rd b/w 14th,15th,16th rd									
	Edge Line		2	74.10			0.10		14.82	
	16th Cross Road									
	Edge Line		2	271.20			0.10		54.24	
							Total Quantity		**246.28**	**Sqm**

Consultants

Contractor

Assistant Engineer

Assistant Executive Engineer

Scanned with CamScanner